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Work on the St. Fergus/Stant Cestine is due to resume on the 18/5/78.

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Survey work should require two days after which rock dumping will commence for approximately four weeks over parts of the section of pipeline.

The vases 'FRANS' frequently lays to two anothers, the cables of which extend 880 mains ap-current from the vasual.

A wide barth is requested.

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Chain &C North Spotlish, Green 38.3 [corrected]. Purple 60.28 [corrected].

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MARINE angines wented, ali types. Also anchors and chains. Telcphone: St. Fergus 307.

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Danis Swire C.Eng. F.R.I.N.A. 1 Sunsat Gardens, Porthlaven, Comwall

ROCK DUMPING ON SHELL EXPRO'S GASLINE We are continuing to dump rock over the FLAGs passine in the follow pacialist designer of fishing ing eleas: DECCA MAINCHAIN &C CO-ORDINATES Gurvaya and valuations OREEN D 32.74 PURPLE H 82.25 DREEN D 33.69 PURPLE H 82.47 HELSTON 4080

SECTION BRAVO SECTION CHARLIE **BECTION DELTA**

GREEN 0 34.40 PURPLE H 52.47 SREEN 0 34.47 PURPLE H 51.35 OREEN 0 36.53 PURPLE H 90.30 DREEN 0 35.56 PURPLE H 50.50 DREEN 0 37.11 PURPLE H 82.38 This operation is being carried out by the barge "Frans" and will now

The vessel employed frequently leys to two suchors, the cables of which extend 550 metres up current from the vessel. A wide berth is

OFFICIAL Notice — Proposal to chenge a ship's narce. I Devid William Joha Johoston of "Sas Breezes," Harbour Street, Girvan, Ayrshire, owner of the fishing boat "Crnal" of Benff, official number f31861 of gross tonage 71 tons, of reglatered tomage 41 tons, previously owned by "Dunham Martins Services (Glesson) Ltd.," of Glasson Dock, Lancashira, proposa to change her name to "Livilhood" and to register her at Ayr. Asy objections must be sent to the Registrar Canaral of Shipping and Seamen, Llantrisant Road, Cardiff Cf5 2YS within seven days of the appearance of this advertisement. Signed D. W. J. Johnston, Date 8th May, 1978.

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and dictate your Classified Ad. for next week's issue.

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igineer to work on commercial igineer to work on commercial igineer to work on commercial igine systems, excellent weges by negotiation.

Yrite with luit datella to the above

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of nige of 31 Occambor 1978 and passes in at least 8 subjects of "Ordinary" (or a higher) loyed in the SCE GCE or compositing oxaminantions would be desirable. A good knowledge of its Scottish fishing industry or experience of sea-fishing or set-

loyletotion. SALARY: £2,100 to £2,540. In addition supply

lications forms is 2 June 1979 AND FISHERIES FOR SCOTLAND

Crew loses GENERAL MANAGER -NORTH SHIELDSeverything

Richard Irvin & Sons Limited is a major UK trawler and fishing vesselower. engineering, and services to the offshore industry.

fish-selling and management office for justione vessels. In addition, the branch has ships stores', chandlery, gear, sheet metal working, joinery and carpenty

The general manager will be responsible to the local Richard Irvin director, Salary for this post is negotiable, and a car will be provided, together with participation in the company pension scheme.

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The Managing Director, Albert Quay, Aberdeen AB9 2ES

Officer in the Sen Fisheties Inspecierate. QUALIFICATIONS: Applicants must be at least to year

going wonkt also be en mivertage.

DUTTEE: Making clarical, including the collection of fisher statistics and market amorphing and technical duties consent with the administration and enforcement of Sea Fighting

SALARY: £2,100 to £2,540. In addition supplements £ £313.20 ppr number ont £18 of total samings subject to an infimum of £130.00 per simum end a maximum of £26,80 per ennum enn peyeble to cificare eged 18 or over. Proper ilonetisty lower supplements are peyeble to cificare under il. The asiary scale is curronly under review.

Application forms and further details may be obtained by writing to Scottlah Office, Parsonnel Olylaien, Room 404. 18 Westerloo Piece, Edinburgh EH1 30 N or telaphoning 631. 557 2090 Ext. 283/248. Piesse quote PM[PTS]2/18/1878. Applications from registored disabled persons will be seen

Applications from registered disabled persons will be of CLDSING DATE for receipt of completed

DEPARTMENT OF AGRICULTURE

ASSISTANT FISHERY **OFFICERS** (£2100 to £2640 plus supplements — cerrently woder mi

he water by an ex-

dawn when she netted a

Shipper Basil Bowler said: three ocean reconsissance airsupper Basil Bowler said:

"We were hauling when en explosion lifted the chip up. It wis caused by a mine or bender a something like that.

"Wa abendoned ship immediately we ware teking in somuch water. There were no lights on and the geer in the ship in the ship wis caused by the lift injuries suffered."

The only injuries suffered three ocean reconaissance airsuched three creft (Including e Nimrod), leugh, taking the mickey out of each other."

They were leter trensferred to the oil rig supply ship Gulf to the oil rig supply ship Gulf

The only injuries suffered were thrown against the casby tha 11-mao crew were ing. The mate shouted to damaged enkles. A mirecle. everyone to get on deck and with the rest of the control he rest of the crew,



ordered. This was the first time an RAF Nimrod plane has been involved in the arrest of e foreign fishing vessel. Flight Lleulenent B. Ware,

A court et Milford Haven Im-posed the fines after heering they had defled orders to proceed to

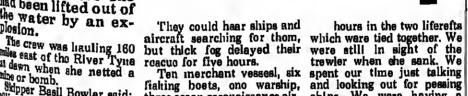
Skipper Jesus Anguirrechea of Glizolde Argio edmitted fishlag with ut a licence fishing with il-

pilot of the Nimrod on fishery protection patrol, spotted the trawler 28 mlles south-west of St. Anne's Head in the early hours of Wednesday last week. Continued attempts to stop the vessel failed. Radio calls in Spaulsh and

English, international signals -

150—footer THE CREW of the 150ft. Lowestoft side trawler St. Luke abandoned ship in a hurry on Thursday last week after she had been lifted out of





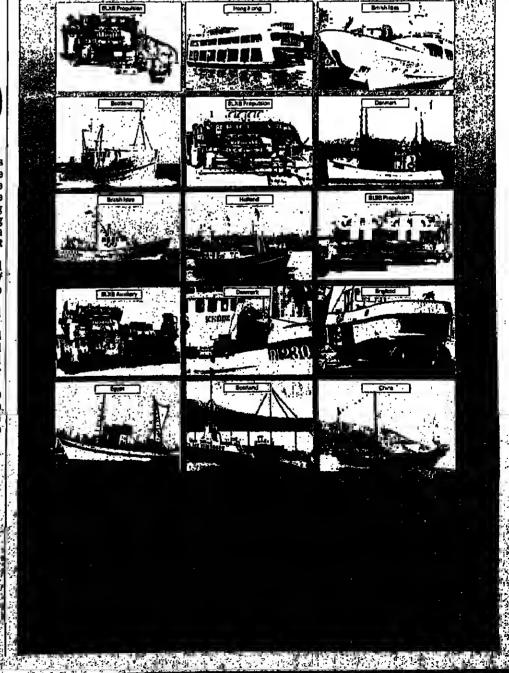
Skipper Bowlar end the mete, crew. The oldest member of the St. Luke — one of the R. Sat. I. went back to the Ronald Reynolds, said: "We Lowestoft fleet — was owned tadio so they could continue making distress calls and learners, 17-year-old Kevin and was formerly Boston-listen to the search.

Bowler. rowed away like hell."

by the Colne Fishing Co. She

one of the two deckie was built at Aberdeen in 1961
learners, 17-year-old Kevin and was formerly Boston
Gooch, said they apent over Lightning.





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others were suffaring as a result of it.

GEORGE Coulbeck, the

Minister, John Silkin,

phase of development.

legest anywhers in Europe. He said the Grimeby in-

dustry with over 2,000 active

erman, 10,000 processors

Mr. Coulbeck pointed out

heirman of the Grimaby

concentrating its efforts on the

north-end of the box, said

Gilbert Buchan, president of

He suggested that the box should be extended from 56° to 60° north and from 2° sast

Thia view was backed by

Federation, who also wanted

Landinga of some 2,500

tone of cod from Greenland

told the committee.

The Berlin meeting of ICES had agreed that there

would be no quote allocation

the Scottish Fishermen'

Federation.

Fish Merchants' Associa-ilon, has written to MAFF dent of the British Fishing

requesting financial ald to help Grimeby through its present transitional more than one type of net.

that the cold storage facilities by German trawlers was

and processing units at causing some concern, Hull Grimsby are amongst the trawler owner Bill Suddaby

engaged in merchanting, plue from the Greenland area, he many other workers in an dilary industries, was still The report on the fishing in

the main employers of labour duatry by the House of Com-at the port. duatry by the House of Com-

industry is striving to do is to 'timely' by Mr. Buchan. He

tep expertise together and hoped that the Government

The one main thing the mittee was described as

Now. In their mid-water trawling role, they have been coming into Norwegian west opest meal plant harbours to lend catches of 760, 1,000 and up to neerly 2,000 tons.

tons — end by now it has probably gone peet 100,000 tons. Norway's previous best blue whiting total was 38,000 tons last

Among the top ships is Libes completed earlier this year. With e length of 234 ft. and a speed of 17.5 knote from her 3,800 hp angins, she is Norway's largest end fastest fishing vessi. In lass than three weeks of fishing in May, she brought in 3,800 tone in

Another new ship, Neloyveer, ceme in twice in the sems period with a total of 3,800 tons. 400 tons of this was taken in produced an acceptable

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CAPSTANS

success and have appointed

Massive hauls NORWAY'S Investment in high-powered pursa salines/trawlers is paying off in a huge harvest of blue whiting. Hauls up to 400 tone are being mode. As the apring concentrations moved north to ground the Farces, they ren into a Norwegien fleat of more then 40 ships. BLUE WHITING MP asked to support pour book extension DACCEC TECT pout box extension

processor needed

At the end of lest week the total lending wee touching 85,000 ed fish product "eurimi" for the Japanese market.

"Wa have dona all we can bera on surimi, sald a epokesman for tha White Fish Authority which has bean carrying out davalopment work at the Rolf Olean factory in Stornoway, Isla of Lawls.

"Wa balleva wa hava product", ha addad.

razolved, the WFA atross- Field. 121 which incorporates ed that the next triels will The field for aurimi akinning unit, has reconhava to be fully commar- production has been land- ly been instelled at it

chilled acawater tak act in rapidly,
Work has also

progressing at 8 Although the problem two Northern Iroland of blue whiting files; of prica atill has to be boate, Green Isic ond Green now mochine, the Basic olal and a procassor is ad mainly from those factory. Despite some naeded to coma in now boata boxad in ice. Frozon it lai teething problem ready for naxt season. flah hes boan uaad the machins is our

Chartarad to fish for successfully, but freezing producing an acceptant the blue whiting trials are must be done vory quickly fillot.

THE Rolf Olaen factory at Stornoway has been given a new leasa of lifa. Redundancy notices issued three months ago to the nine employees of the fish processing factory of Rolf Olaen (Stornoway) Ltd. have been

served because of the poor herring landings and high prices. This year was the firm's worst season since it set up on the island seven years

ago.
Tha manager, Neil Stewart, seid that it had been declded to withdraw the redundancy notices because of the need to keap the ica plant going and for the WFA experimente on blue

Bacause of the trials the firm had already teken on an extra 14 workers and would probably hire another 12 when the mackerel season

A NEW salnar rocord sot at Grimsby on Tuasday wna broken the next day.

Guldborg (Sk. Hana Knistensen) hit a new high of g13,426 from 448-kits of beet North Sea cod after o 14-dey rlp on Tuesday.

Then another Consolldated Fisheries seiner Rosenborg (Sk. Niels Peter Jeneen) came in with 499-kits to clock-up £13,426 after 14 dsys. She had cod and codl-

Hull trewler owner Tom Boyd Jnr. takes a look at the MY Seeder 121 fitteter at the Roll Olsan factory last week.

Fieh Authority hae locked uncortain. Whenty outhority moved headquarters from Londer Records Edinburgh five years ago — with the loss of ecmo of ite key etaff - thore were plenty of peopie in the industry foreoasting that this was the beginning of the end.

What hae, in fact, happaned is quite in reveree. The move to Scotland and e closer working relationship with the Herring Industry Board has given the authority a breeder fooling In the industry. With the centra of British fishing moving eteadily north, the relocation to kills burgh new locke to be en inepired decision.

On Humbereide, the importance of the Will Industrial Development Unit has been under ed by the heavy calle on its services from sul-eide the UK. The IDU could also be about it oover itself in giery with ite work on products blue whiting product cuitable for the Japanese

The blue whiting project has been an example f what research and development should be in about. Taking a potential vast resource, is about. Taking a potential vast resource, where we not and found a possible market is. Now, efter supervising successful productions, the WFA is ready to bow out in the that commercial operation will move in the that commercial operation will move in the White Fish Authority — due iset year, white Fish Authority — due iset year, postponed. No doubt this was to take second the recommendations of the Expenditure.

the recommendations of the Expenditure mittee which reported on the fishing inch

earlier this month.

The result of this report has given a big feet to the hopee of the WFA and HIB, when racommended that both bodies deserved.

port and encouragement.

While we know that there are original with the work of the time to pause and think the alternative could be. The thoughto Ministry involvement in the fishing the should be just the thing to give the aupport and encouragement recommends.

maintain the outlets and diatibution system into the country which are vital links between catcher and con-MPs John Corrie and Geof In this respect everything frey Rippon for suggesting possible must be done in the that this claim was out of way of financial encouragement to snable the port to side out this difficult period," concluded Mr. Coulbeck. that this criticism for his 'not a

forecast times not fixed yet

SOUTH Angus MP, Andrew Welsh, has been assured by the British Broadcasting Corporation that It has the interests of fishermen in mind shen it changes the time.

Wavelengths as a recult of an istemational conference. Writing to Arbroath Fishermen's Association ask-Baws and current affaire the BBC at once.

"The fishermen's views must be carefully heeded when the same the same than the same

then it changes the times for now with the Board of Trade wing out specialised shipping forecasts.
The BBC etated: ''In
Novamber our radio networks
are changing their
vavelengths as a result of or

Mr. Walsh said: 'I will be

Ways because it is our main ing that it gets in touch with

The forecasts will con- the BBC fixee times for these inue to be broadcast every 24 bulleting which are vital to hours but, unfortunately, the fishing community."

IHE 430-TON Danish industrial fishing and proceesing vescel Lumino (E 559) has returned to Denmark after being berthed inside the fish docks to tranship ly summer aandeels.

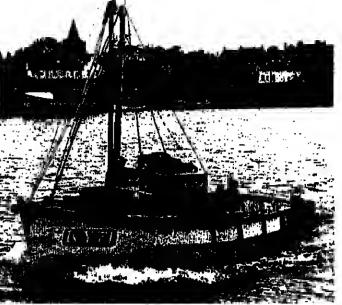
Last epring Grimsby agents for sandeel than there were no Sleight (F.S.) Ltd. for eprate, Lumino berthed at the and of the West Quay and was very popular again with skippers.

State of the winter eprat fishing to take pressure off the local When full, Lumino either exiler imposed a quota to transfers the odourless wild being swamped when product in liquid state, to a state of the completed where the process is state from Grimsby, fishing completed.

MPS were eeked last week to give thair backing to an axtansion of the North Sea pout box. At a meeting between industry rapraeantatives and the All-Party House of Commone Fisheries Committae MPs ware told that, while there were benafite for some British fisherman insida tha box, boat lost Particularly hit are areas south of the Shetlanda, where the Danish industrial fleet is FEOGA grants.

Mr. Buchan expressed pleasure that funds had been CELLARDYKE fisherman made available to rectify the Joe Swankie is feared lost at previous unfair allocation of sea after his 26 ft. lobster hoat grants, but he was concerned that this money might be regarded as a bribe for a less than favourable EEC policy on fishing.

was spotted by coastguards



Fifa Neas cosatguards Fear-Nought and the alarm was raised. He heard a broken radio massage lying in about 35ft. of water. Cheirman of the Committee, Patrick Wall MP, asked if the Industry was prepared to stick it out for a 50-mlle limit. Yesl was the unanimoua reply.

and the slarm was raised. He was raised. He was taken by helicoptsr to aick bay at RAF Leuchars, radio raception was poor no sign of the body. because the vassel was eo the vassel was eo lim 35 ft. of water and divers and divers has been located and oparsted from Crail.

Anstruther lifeboat and oparsted from Crail.

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All Similar action in the result. Similar traduces their MA Bottom Expansion designed to see a mailing wide stratige of echd. MC See Expansion tensing of the Sec Sender Repairers sonars and ingle filter sec Sender Repairers sonars and Net Seconders. Display Expansion Net Seconders. Display in the Seconders of t

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FLEETWOOD owners have returned from a trip to Frence optimistic that French vessels will continue to play en important part in maintaining local supplies.

Jim Crose, precident of Fleetwood Fishing Vessel Owners' Association; Mark Hamer, general manager of the FFVOA; Dennis Bond, genaral manager at Fleetwood for Boston Deep Sea Fisheries Ltd; and Peter Hewett, prin-cipal of the Hewett Fishing Co., all went to Lorient Douernsnez and Concarnagu.

They said that in the four

LUCKY ESCAPE

Stevens of Newlyn helps repoir damage to his 37-Skipper Steve footer (right) aftar an the boat would be a write excursion on tha rocks off, but the mein damage

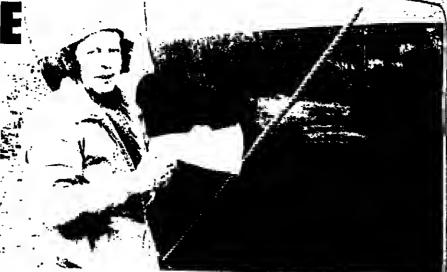
earlier this month.

His GRP-huiled Jonste
Eloine was heading home to
complete her fifth iongline trip in a row whan fog clamped down. Skipper Stevene was asleep and his course for home when she steamed on to a rock off at Newlyn.

Skipper Stevens thought

was amidshipe, at the turn of the bilge. The hull had been pushed in four inchas and an internal treneveree frame had datached for 6 in.

She did not take any tired crew was stearing a water and was repaired batween tides while beached



They said that in the four months starting on New Year's Day, 103,692 kits ware lands at Fleetwood of which 28,086 cnme from French landings have helped to keep Fleetwood open as a fishing port. Starting on New Year's Day, 103,692 kits ware landings the first of the french landings have helped to keep Fleetwood open as a fishing port. ON STAND B 690 MIT ARE MARKETING to fish again A COMPLETE DIESEL ENGINE MARINE CONVERSION SYSTEM FOR MOST

FLEETWOOD'S Hewett Fishing Co. is to put

back into service one of its largest trawicra

which has been tied up for six months because of

The ship is the 16411, side

Her sister-ship Ella

The fact that their owners

quotas ran out. She has Grimsby.

trawler Robert Hewett which

has been having o refit before trying her luck on middle

FRED Williams, one of the Hewett, hos been working Trawlers has gives

quota restrictions on distant water grounds.

They have the top names on display. Twin Disc gestboxes, Quincy compressors, e new propellar from Scandinevien Propellers, a whola range of Intametional Seaferer electronice, end e Scan Autopliot. So etaer yoursalf to etend B 890. MIT for selas, epares and repairs, enytims, anywhere.

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leading figures in Fleetwood's these grounds since the firm's justify the loss of M. Norwny coast and White Sea shore-based jobs at Mr. Williams Joined a brought in some useful Fisatwood fish meel company catchus and it is hoped at the ege of 14 and leter Robert Hewett will emulate progressed to the position of her. manager at o Warrington fish Both vessels were among mast company. While in his the most successful ships to sarly 20s he begen an essocia- work from the port when the tion with Boston Daep Sea distint woter grouds were Fisheries which was to make open to them, but their size him wall-known throughout the makes them more difficult tu

fishing industry.

Fred Perkes lister Sir Fred water areas where entires nre Perkesi brought him into the lower. Soston company end Mr. 'l'ile Williams set-up its fish linve enough faith to koop representatives to keep

Hs continued as menager of the distribution side until it was disbanded some years ago. He than working is a walcome this week to see Ministry disbanded some years ago. He than working is a walcome this week to see Ministry disbanded some years ago. He than working is a walcome this week to see Ministry disbanded some years ago. He than working is a walcome this week to see Ministry disbanded some years ago. He than working is a walcome this week to see Ministry disbanded some years ago. He than working is a walcome this week to see Ministry disbanded some years ago. He weeks to see Ministry disbanded some year disbanded some years ago. He veasels uparationol. continued as manager of the distribution side until it was disbanded some years ago. Ha became a director of Boston and was also a board member of severel other Fleetwood I dustry concerns. Mr. Willisms leeves a widow

and daughter.

HENRY Smith, one of Ar-

Mr. Smith went to sea es a boy on his father's bost before off the Susaex coast.

He retired nine years ego coast, while the beemers will stay offshore.

The agraement follows a

Mr. Bmith is survived by his widow, three sons and eight licer, Jim Howall, stressed

68-YEAR-OLO fishermen Thomas George Lobb died on Thomas George Lobb died on board a Newlyn, Cornwall, trawler last weekend. His body, was brought into harbour on Sunday.

That trawlers are by to both the said.

That are trawlers are by to see them that the said.

That are trawlers are by to soon to both the said.

zence, was angineer on the tion has happened before and the trawler Excellent.

I have no doubt it will happen

trawler Excellent.

He was found deed in his bunk. Dr. M. E. H. Hersant went to the harbour when the trawler arrived and ma body was taken to the Wast Cornwell Hespital mortuary.

I have no doubt it will happen again."

Mr. Howell is now convinced one beam trawler skipper did not deliberately destroy fishermen's nats.

"He should have been more."

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all our wipers. Please will for particulers

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to suggest which of the

wipers is most sulfable

who was a particular

for your particular application

ing taken about the Trade and Industry Subcommittee racommendation of bliateral negotistions with Norway? To that Mr. Millan simply said that there were dif-

When Robert Hughes, Lab, Aberdsen North, said that Conservativa MPs who compounded and spraad unfounded rumours wars acting egainst the interests of the fishing industry, Mr. Millan agreed. It was HILL'S former top-saming Assista malicious to apraed suggestions of a secret agreement — melicioue ln terms of the House and the industry.

LETTERS

been no sgreament at all.

Mr. Sprost slao askad what action was be-

there was a secret agreement. There had

agreement reached in Europe — but with an announcement heid

back for a matter of weeks — were

strongly denied in the Commons

ast week by Bruce Milian,

Isn Sproat, Con, Abardaan South, aakad

for confirmation of strong rumours that changes in the common fisherize policy had already been agreed in the EEC and said that by the time this agreement was anounced it would be too late for the Common that had surely be too late for the Common that had surely be too late for the Common that had surely be too late for the Common that the confirmation of the Common that the Common t

moss to do snything practicable about it.

Mr. Millan said it was nonsense to suggest

Secretary of State for Scotland.

weak 24 industrial arrivals landed 27,000 tons of THE EEC Council of sandsale worth £37,854, compared with a total of only 3,900 cwt. of edible spacles.

THE EEC Council of Ministare has agreed to reduce the tariffs on imports of some categories of cod, haddock and hake for

GEORGE COULBECK of Grimsby has been elected chalrman of the Federation of British Port Wholesale Fish Merchants' Associations, with Ken Beeken as Harry Barrett

HULL'S formar top-saming atarn trawler Hommond Innes is now on the way to fish as a rasearch ship from Canada. The former Newington Co. record-breaker has been renamed Lady Hommond.

BOTH Hastings lifeboats Bill Barber were launched last week when a fishing boat ran into trouble off Bexhill, Moris J. Leach, owned by Mr. D. Holroyd of Eastbourne, had engine

HEAVY landings of sandaele TRAMMEL nets worth £150. continue to mean shortages of and rope worth £20, have whita fish for Shatland been stolan from Lancing processing factories. Last beach, Suesex.

of some categories of cod, haddock and hake for processing by e third. The months from July 1, 1978. it new rate of duty will be ten will be raviewed in the per cent and will run for six Autumn.

Assistant Editor:

Gioria Wilson

Fred Purssell

Scottish correspondent:

news Circulation: Ann Dunsford 75-77 Ashgrove Road, Ashley Down, Bristol BS7 9LW. Tal: 0272 425711

Published weekly

Postal subscription rate: Advertisement Director: £8 per annum £8.50 oversaas

Advertisement Manager:

Ragiatered as a nawspaper et the Post Offica.

110 FLEET STREET, LONDON EC4 2JL. Tel: 01-353 6961. Telex: 21977

Not cheap alternative

rovs!' (Fishing News, May 19), the assumption is that he does not approve of core hulls

of insulation required. This

sithough Cygnus has built one for Skipper Colin Parker.

Could it be that the White
Fish Authority, when considering the Interests of Mr. benafit in a fish hold where a smooth, seally cleaned surface least sandwich (for a mould plug), ineleted that the outer smileste should be the same a fish hold where the creft is minete ahould be the same a flah hold where the craft is thickness as a aingle skin operating in the tropics, it is a laminata bacause, es the hull relatively simple metter to appress used as epiug, it may not ly additional cores and have had the protection of a gel leminate to echieve the dagres

With regard to Mr. Petere' method of construction is being commanta concarning the offered for the working decks thickness of the outer skin of a for the seme reseans. tered' construction, I am in- 3. The work involvement for sined to agree with him that it the fitting out yard is much a desirable to have the outer reduced without the complexiwin considerably thicker than ty of longitudinal and the laner skin, but there are transverse stiffeners. The addiffering echools of thought ditional work that, and I quote amongst the authoritative Mr. Paters, "Every through-hull

bodies on this subject. fitting, e.g., transducers, blige
The introduction of a core discharges, blige keels, meteriel in GRP workbost con- seecocks, etc., has to have the twiction does not in my opi- balas removed and wood bondresidution. It is in British the form that Versetility is fishing bost construction—

Ed.). It is approved by Lloyde and many other authorities and just below the waterline. throughout the world for Thare is a gradual transition Workbost construction. It has from the solid to the core. been used in the LIBA for 20 Taking the points raised in

years and is on the increase. the last two paregraphs of Mr. The sema method of con- Peters' letter to the editor: Veritrotion is used by the French astility is currently using Baltek buildera, Societe Teolmer at St. 'Countourcore', s materiel ap-Mezalis, for workboat hulls up proved by Lloyde, as are all the to 100ft. In length and many other materials in our hull conother GRP boat building com- struction.

Yersatility workboats ore material (the most important wilk to a high commercial sten- part of the procedure) ensures dard whather they be of the total encepsulation of each veditional form or of core con- minute segment of end-grein truction. The best technical belee before it is applied to the advice is always sort and lest two leyers of freshly the toughly teled before emberking on any new materiele or innovations and our usuel high standards will be main-

eware that there are many core It is not a chasper form of materials available to us; there with the more traditional form forms of boet construction and of QRP boatbuilding. The that goes for wood, concrete, stations that Verantility are atasi and GRP too.

offering this form of construction as an eltamative ere:

the meterial end the 1. Thermal and ecoustic in- workmenship that counts, linkaliation in the more traditional ad with a sound dealign and form of GRP boat construction apacification. has always been a problam The Introduction of a cora does MIKE HAYNES,

het remove this problem, but it Varsatility Workbosts, Rye, dose go a long way towards it. Sussax.

The application of the

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broeth's best known fisharmen, BRIGHTON inshoremon coreful end chacked the set have come to on agree- for trammel nets first set ment with Portamouth don't think it was delibered.

he skippered his own bost, The inshoramen will now keep within four miles of the

He was former president of Arbroath Flah Marchents' (isharise protaction ship HMS) Soberton.

Sussex chief fieheries ofthe 'ceasefire' was temporary.
Only Government legislation would solve the problem once and for ell.
"The trawlers are 80 to

Mr. Lobb of Alverton, Pen-ianos. was angless on the limit. This sort of confronta-

VIEW AT SEA

TRADE unlon lasden th

not eatisfied with the

reosons British Unite

District accretary of the

Amelgamated Union G

Engineering Workers, Alex Salmon, said after a metic on May 17 batween BUT in

thera would have to be a to

iron casa' before he and

He said ha was concerned BU'i' niay lasve Gint

Tha union decided is seen

BUT may raconsider.

necept BUT's decision

completely.

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Compass adjusting has been Saliscollister Road, family falling with our family. Fairy Cottage lexey. John

Sig, Your erticle Fishing News. My fethar, brother end myself May 12, 'Swinging Bob bowa were all practising throughout out states that are the states that th out states that Mr. Persone is the war on Maresyside end tha the ashlor cartificated compase north-wast eres and, to the adjuster. I challenge this state-best of my knowledge, was ment, as I hold a certificate the only family ever to have senior to Mr. Parsons. It is No. 80(C) obtained by Justare all practicing at the one time.

It is No. 50(C) obtained by ma by examinetion in London on April 28, 1838. As you can work out, I have held this car by and long retirement.

satisfactory cost-effective alarms and the preparation of davice has been developed guidance to the industry; changing the law could not be proposed new certificates of justified.

A number of fishing vessel competency for skippers and a radio rewer; and radio rewer; and radio reduced an unsatiafectory and the preparation of the butch many parts of the world. The first paper was by a still "s number of boats up for aurvey. There are keeping speakers. still "s number of boats it was decided to remit this which peralated in not coming last question to the Maritime forward for survey." There Radio Advisory Committee.

It was found the try to pin-piont the mussel fishery.

He asid that while mechanisation might hove cut costs, the almost insendent the processing tutry to pin-piont the processing tutry to pin-piont the peak of the dinage.

France, Spain, Netherlands, New Zealend and Eire were all represented.

New Zealend and Eire were all represented.

The first paper was by a butchman, Mynheer L. Westbroek, an engineer who had worked on the forward for survey." There Radio Advisory Committee.

The declustering nuching the mussel fishery.

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France, Spain, Netherlands, New Zealend and Eire were all represented.

The first paper was by a butchman, Mynheer L. Westbroek, an engineer who had on the worked on the worked on the worked on the first paper was by a shift per control of the Dutch many parts of the world. The asid that while mechanisation might hove cut costs, the almost involvent the peak of the duniage.

It was found the tiny processing tutry to pin-piont the mechanisation might hove cut costs, the almost involvent the peak of the while worked in the washer the processing tutry to pin-piont the processing tutry to pin-piont the peak of the world. The set of the world in the washer the peak of the world that while worked in the peak of the world that while world that while peak of the world that while the

Developed and proven on

sireiches of water — The

Pentiand Firih.

one of the world'e toughest

THE FISHING In dustry
Safaty Group Is forming a
aub-group to atudy the
problama of fishing vassel
position reporting.
The group, meeting in London on May 18, noted the
practical difficulties of repormittee, which dealt with the

satisfactory cost-effective alarms and the preparation of davice has been developed guidance to the industry; changing the law could not be proposed new certificates of justified.

don on May 18, noted the practical difficulties of reporting and discussed the various alternatives. Then, it dacided the subject needed to be examined in depth.

Mandatory fitting of EPIRBS (amergency position indicating radio beacons) was considered by the group. It decided, however, that untile satisfactory cost-effective alarms and the preparation of the procedures including watch satisfactory cost-effective alarms and the preparation of the procedures including watch satisfactory cost-effective alarms and the preparation of the procedures including watch satisfactory cost-effective alarms and the preparation of the procedures including watch satisfactory cost-effective alarms and the preparation of the procedures including watch satisfactory cost-effective alarms and the preparation of the prepa

The cooference still retains

'Ardmore Rose'

Waat Scotland.

Skerriaa 29 loi John Ridgaway,

apiral knives, accounts for skin divers to reserve names, a further five per cent of the oress in which no fem d shell damage.

Even the method of dredging mussela cad result in a sizeable proportion that will sizeable proportion that will to fish a resource to be pain not live for the 72 hours need that it becomes economical ed for distribution to the unvieble and then pas a

It was to these points that Mynheer Westbroek auggeated that reasorch ahould be directed, together with codes of proctice, that would avoid the dropping of niuasels — whether individual ir liagged — even the few inches from declusterer tu washer; nill shocks offected adversely the keepshility in the niussel.

keepshility of the mussel.

Tho next speakers, ulso portion of the sealed in the conking and shelling of mussels for the preserved individual or a group side trude.

Mynheor F. M. Franken oxplained how his firm of agricultural engineers had licon drawn into the linsiness of processing mussels while his younger colleague, Th. W. nis younger collorgue, Th. W. Cioremans, went into nine tochnical dotnil.

It confors no right to the seed at the confors no right to the majoring of rafts nor the majoring of rafts nor the confors are the confors and conformation.

ing times varied according to the ago and culture method of the mussols, an average time for hadling the rotorts, cooking and unlouding is 150 secunds, with 130 deg. hoing achieved within the retart.

Meats are somerned from

than washed to remove the for months. oxcoss salt; aimilar processing What is needed is a them opparatus for winkles and in the law. The law should be cockles in being described by the cockles in the cockl

opparatus for winkles and cocklas is being developed by his company.

The chairman of the association, Cyril Lucas, an oyster planter from the Isle of Wight, epoke on the cultivation of natural stocks.

In the law. The law should in mode positively to finite and mode positively to finite and courage fish cultivities. The use of the entire visit column should be considered and licensing brought in provide reveous to be been provided revenue.

Achieved

He posed the question: native species to those why have here thay have here

"Why have wa achieved ao little in mariculture with so many natural advantagea?"

His first answer was to contrast the attitudes of other national governments with our own. Japan, whose people gain 53 per cent of their protein requirements from fieh, are prepared to apand 200,000,000 yen on one project of creating artificial raefa. Fieb production in Japan has priority over navigational and racreational usee of water. There are no planning.

water. There are no planning some employed half nor leasing problems for the "labour-saving open aparese lish farmer. "eeemed almost soul took on the immense task of British industry.

fishing was allowed.

What heppens et some? The British are encourse le oving the fish to record to

aquaculture industry.

Knowledge

a fishermen's co-operated

Frustrating

Such an order, howere

Meats are somerated from the shell in brine tunks and then weekers

on research. We ahould consider the it troduction of exects special or the re-introduction

Spotting disease is one of the skills taught at the where the Highlands and is sponsoring a year's course for fish farming husbandry sad even a girl is taking part.

Until now, most training at technician level has been the proliferation of farms, experience to call upon.

There are now some 156 is male year's experience to call upon.

There are now some 156 is male year's experience to call upon.

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There are now some 156 is male year's experience to call upon.

There are now some 156 is male year's experience to call upon.

There are now some 156 is male year's experience to call upon.

There are now some 156 is male year's degate would agree that he got, his money's worth.

a wide range of salinity.

Professor Charles Bland, Abova: dredging cen rasult in a from the University of East larga proportion of the museula Carolina, said that the projected world shortags of edible fish meant that the USA

had to increase from its pre-training coupled with prac-tent level of two per cent of tical work on a variety of inrequirements presently stallations.

Therefore, the course divided into four-wesk blocks of college work dealing with biology, hydrology, fish pathology and engineering

practice.
In the latter subject the less aid that the barnars to emphasia is on the use of hard

such an expansion are in our incomplete knowledge of the life cycle of many of the reatures we wish to grow. Nor did wa know the exact environmental requirements of the control of the state of the control of the cont environmental requirements toblishments and the for their culture and, lastly, students careful logging of his we have a very incomplete practical work is an impor-knowledge of the disease trut factor in his final assess-problems that artificial ment.

culture will bring.

Professor Bland reviewed a dustry likes the idea because aumber of projects — both ten of the 12 students stready experimentel and commercial linve their new jnbs lined-up that are in progress in the hefore the course has even western hemisphere, com- ended.

Rending in particular the French efforts in Tahiti and New Celedonia.

Mr. C. H. Aldridge, the course co-ordinator from the HIDB, must hope for the HIDB, must hope for the But, in some commercial same degree of success for the

some degree of success for the short courses he intends to a fungus affecting the eggs were estimated at US \$50,000 per month.

This fungus, Lagenidum Callinectes, Is widesproud segraphically and tolerant of a wide range of salinity.

Same degree of success for the short courses he intends to run for people already at work in the industry.

His paper was concluded by the showing of an HIDB film on the prospects for lish forming in their region which, having set-out the odvantages, was brave enough for a quasi-government body to il-Fortunately it can be con-lustrate, in a humournus way, but in much alechite Green, how whan must central but in much smaller concentestions that those used in disease control on finned fish

This howaver release to the same of fish farming, one This, however, raises another problem as Malechite Green is one of those very numerous substances that the US Food & Drug Administration considers to be carcenogeoic.



Drink—'we have TRAWLER owners at Grimsby are to bend unhappy with the latest proposals and punishments to deal with drunken fishermen. The plans, the most recent of many tried in recent years to combat the difficult problem of excese drinking by a minority of trawlermen, were outlined in a Government White Paper last week. They propose finas of up to £1,000, or two years maximum prison the rules

have ready made replacements waiting on the quayside just in case anyons turns up the worse for drink. To pull men off delays eailing and could cost the owners thousands. We have to bend the rules and take a chance.
"Usually thay are sober by the time they

vessel has arrived on the grounds."

French on top

TOP vessel at Fleetwood last week was the French stern trowlar Tourmolet with 1,878 kits worth £26,716.

Just belind was another French trawler, Trezien. Sho landed 1,142 kits for a grossing

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"How can you expect anyone who has been on the bottle, as e faw men do, for all

the time they have in port between trips to sober up because a trawler is sailing? "Even with all the fisharmen who are sup-

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and Ihroughout Europe. Skerries fishing boats

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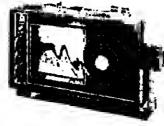
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mile radar has put Pooie-based Electronic Laboratories right on course with the fishing industry. Backed by eight other products in the well-known Seafarer range, this firm now has an electronic package fast making loroads into the fishing fleet.
The Seaveyor has

sheady made a big impact since it first appeared in 1976, while the earlier and mallar Sesscan has been popular among inshore and is fitted es the second radar in some larger

iddle-water hoets. The biggest success sered so far with these radare appeare to heve been in Northern Ireland whate boats like the 65 ft. Responsive, Twilight Star, Boy Ken II end Alliancs, engaged in hottom trawi-

Ing out of Portavogie, all have the Sesveyor radar as well as Sesvoice whf. Two other Portavogie hoets, the 45 ft. San Pairicio and tha 50 ft. Fruiful Horvest, both use Seascan radar in their bot-tom trawling and prawning operations, es does the 40 ft. Boy James, fishing out of Donaghadee. Some boats working out of Norto Shields, like the Christine Nielsen, have Seascans installed as

sscans installed as sec-One skipper at the port who also has a big Decca set says that he likes the sascan because it can show him gulls on the

d where there

ara gulls there are fish.'
So far as Scotland is
concerned Electronic Laboratories admits that penstration of the market there, particularly in the Moray Firth aree, has not yet been anything like that echieved in Ireland. But it believes that by having ite own stand et the Catch '78 exhibition in Aberdeen next month, as well as having its products on the stand of its Scottish distributor Alexan Plean

frihutor Alexian Elecronics, will help make its radare and vbf better nown among Scottieh

Islammen. Scottieh late, 1960e yet another search for larger premises bad to be contemplated.

The Seafarer range is bad to be contemplated.

At the same time the company had plans for

COMPANY

outlets in 90 countries. It is claimed that one Seefarer product is sold every seven minutes somewhere in the world. Behind this success story is e history of only 15 years. It had its begionings in 1963 with the developing of e smell two-raoge visual-indicating echo sounder, designed mainly for pleasure craft, in a amoil works in North Lon-

Christened the Seafarer, this soid for only £25 and exhibiting it at the 1964 Boat Show in London brought the orders pouring in to such on extent that very soon afterwards Electronic Laboratories (Hendon) Ltd., as it then was, hed to seek largar premises which if found n a former church hall

Meenwhile sales of the sounder had both encouraged and enabled the firm to develop two additional products: the Seafix direction finder and a new recording sounder, the Seescribe, which extended the market into the

insbora fishing industry.
Within the course another year the demand for these three products facilities in the old church hali wara quite inedequate end another move was

imperative.
This time, it was into enew factory at Remsgate where for a time production was able to keep up with demand until in the late, 1960e yet another



Above: the 36-mile Seeveyor reder-top of the Saeferar range. Left: e line of reders from the Geeferar ranga et en Icelendic flahing port.

Below left: Seefsrer alectro-megnetic spaed log. Gelow centre: Seaferer echo soundar. Gelow right: Saescribe recording



Electronic

when Electronic Leboratories moved in st

Poole in 1971 it gained not only a aubstactial design and menufacturing facili-

ty with empie space for

further expansion, but also a nucleus of personnei

with marine electrooics skille, notably in the field of hig-ship radar. Develop-ment of the Seascan radar

production by 1970) and following the example of the original Seafarer was given e public viewing et the 1971 Boet Show. Again as with the Seafarer, the

Seascan was en immediate

The old Astaron factory,

however, was far from perfect in equipment end leyout for Elactronic

Laboratories' purposea and though it provided

more allow-room, it was

cupation regarded as little more than e stepping atone

A new building, providing some 110,000 squere feet of bright.

to better things.

went ahead (it wes

moving into rader and, in fect, what was to be the Seascan amail boat radar

with e 6 in. soreen.
Then two things happened which opened

up e new ere of expansion for Electronic

Laboretories. The first

was the appearence on the scene of the Brocks Group

of companies, ready and

liing to buy a relatively

additional

emeii firm with an obvious

resources Brooks were able to put behind Electronic Laboratories' drive and in-

tiative wers welcomed at

Ramagate despite

where turnover was by

then nudging the 24m. mark, but lieble to be held

ebout there unless greeter production capacity could

This ambarrassment was resolved by the acquisition of Astaron Electronics with its works on a 10-aore eite in Poole.

Astaron was engaged in menufacturing the Raymart series of marine

oe contrived

growth potentiel.
The add

the establishing of

Seefarer range throughout the United States and the

Maritime Provinces of

The choice of the name

Caneda.

become Seafarer III end is believed to be the world'a est-sellar in its ciass.

end production premises, ali fully air-conditioned, was completed in 1974. By this time, the Seevoice 12 channel white and the This may in part be accounted for by its price which, despite infletion is still wall under doubla that See farer electro-megnetic log had been developed. Overseas development was also taking place with the formation of a German subsidiary See fare of 1963; or could it be that the low price is the result of enlightened production methods and high-volume sales? About 333,000 Seasubeldiary, Seafarer ferer sounders are in use GmbH, in Hamburg, and eseccieted company in the USA, Epsco Brocks, Inc., of Westwood, Mass., which markets the entire

By 1976, two years after the completion of the new building, the introduction of the Seacourse eutopilot and the Seaveyor 36-mile radar for larger vessels had brought the Seemrer range up to its current oatalogue of fine products. with turnover up to more than £3m. a year.

Seefarer for the electro-magnetic log may perhaps seem a little puzzling since this wes — and still is— also that of the original

also that of the original scho sounder.

If is also used as the family neme for the whole product range.

That original little sounder, greatly improved thanks to modern directive. and techniques, has now

Demand for all Seefares products want up by 35 per cent last year, raising the turnover to close on

ebm.
Tasting of finished products for operating ebliciency is; of course, standard procedure for any

Turn to page 10

electronic equipment, but Electronic Laboratories is not content with thia. Every day random

samples amounting to at least 10 per cent of ell production are tekan into quality control for subjection to environmental teeting in conditions of heat, cold down to -20 dagrees C., and vibration from 0 to 50 cycles at 2.5G e trial moro stringent than they would be ex-

soa anywhere in the world. After this, every com-pleted radar is given o soak last of overnight run-ning bafore being passed

for packing st despotch. Over half of Electronic Leboretorias' output goes

Chowgule (Privete) Ltd., India's big owners of ships and iron-ora mines, have recently baen given permission by the Indian Government to divarsify than they would be ex- into deep-sea fishing and

Electronics package

era building tan new trawlars anch of which is to have Sesveynr radar fitted, and Electronic Laboratories are finding similer outlets for their redars, recording soundars, ond vhf sets in the expending flaats of other Asian, Naar and Middle Eastern, and African countries.

North America, with its large numbers of seiners, shrimpera, draggers and trawlers, is perhaps the biggest single oversens the biggest single oversens market with anles of Saascon II and Senveyor radars now running ut over 1,200 o year. Seascan II is, equipment is sold under in fact, claimed as the hest the name Kelsonn, by selling mdar of its type in Kelvin Hughes, The

Scandinavian tishermen are also substantial buyers of the Seavoice vhf sets, and are showing considerable interest in the more sophisticated Seaveyor radar. In Scandinavia and Singapore, the

and the 12 and flich whi sets, sell welling the tierman subsit sold alt rodars as will several thousands of ob-Senfarer products he

the the home front with the workmanlike Searge rather, the company definitely moved up complete strongly sid-longer-established frash the radar line.

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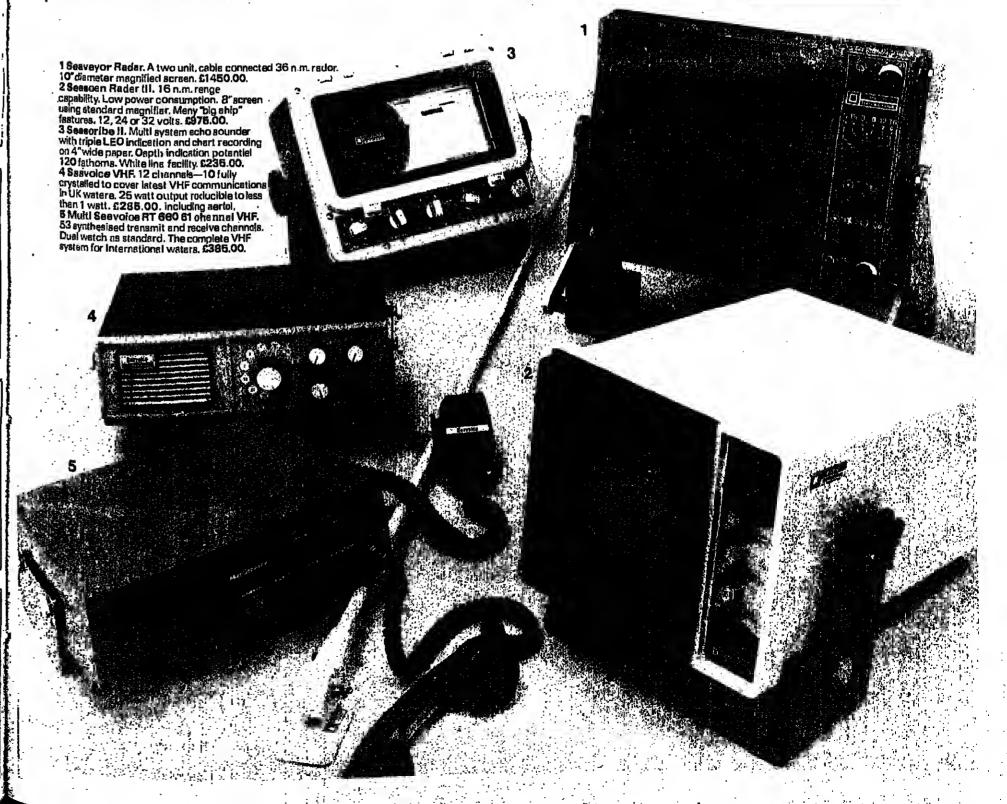
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THE 'AQ' renge of beamy, shellow-draught GRP craft just going into production at Porthieven, Cornwell, is attrecting e lerge number of enquiries from fishermen wenting a

number of enquirles from fishermen wenting a competitively-priced boat.

A fully-fitted aut flushing end confidently decked 27-footer—lesa engine, tanks end stern gesr—can be baugbt for as little as £7,500; a larger 29 ft. version costs £8,650. Raised foredeck/forward wheelhouse alternatives are olso aveilable for o slightly higher price.

A skipper wenting to fit out his own boat from scratch will need £1,650 for the basic 27 ft. hull moulding, and £1,920 for the 29-faoter.

The company responsible for this latest move on to the company responsible for this latest move on to the company responsible.

ft. hull moulding, and £1,920 for the 29-faoter.

The company responsible Cruisers. It moved to Porthleven from Gweek, GRP scene ie Aquarius Merine Ltd, which took over the bankrupt Porthleven Shipyard leet year.

Aquerius, previausly specialising in a eiling Many had to be re-trained in fishermen throughout Britain.

The compeny says the nsw AQ range filla a price gap in the current GRP boat options. It sees e huge potantisi

for med in Augost 1976 primarily to build catamarsn to build catamarsn. It moved to Porthleven Gweek, Conwsii in February 1977.

The company now employs elout 25 men, most of them skilled fishing boat builders deck space for the waterline length.

The 27 ft. eft wheelhouse prototype, fitted with engine, was built on spec' in October last year. She was and "know" about fishing boats.

The compeny says the nsw AQ range filla a price gap in the current GRP boat options. It sees e huge potantisi

y 7/16 in. averege thickness. Extre reinforcing up to 24 oz. is used in the atem and transom end throughout the ateel

Rey Teylor (laft] end Peter Claments on board that fini ADI.

The boat is pictured (top) in Porthleveo's inner betout.

Box section 3 in. by 2 in. foam framea are spaced at 20 in. centres, each ono atrengthened by an additional 6 oz. overlay.

Engine bearers are timbor, glassed in with heavy duty reinfarcing. And deck beams ara 5 in. by 2 in. iroka, supparting \(\frac{1}{2}\) in. marine ply, GRP sheathed and non-slip painted. Bulkhaads are also \(\frac{1}{2}\) in. marine ply.

All the aarly boats will have a plywand wheelhause, slithough maulded units are planned.

Standard equipment in the spacification includes rudder and fishing lights, campass, sacrificial anodes and full set of safety equipment.

Aquarius Marine is due to hand aver ite first commarcial fishing vessel by the end of this month.

Sha is a 29-footer with The boat is pictured (top) in Porthleven's inner herbour-

Rey Teylor (laft) and Peter Clements on beard the first ACT

Focus turns

Rigging a

mid-vvater travvl

at Fraserburgh.

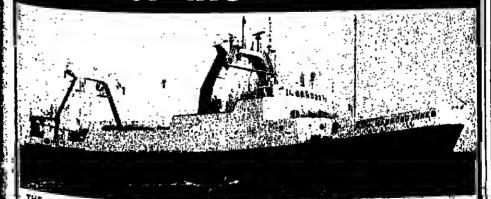
Cosalt is able to

manufacture nets at short notice

ADVERTISEMENT SUPPLEMENT

inshore

The company will also be prominent at 'Catch 78' in Aberdeen in June. During the last 12 to 18 monthe, Cosalt's Ships Chandlery Diviaion hae purchased the long established Ayrahire firm of Control of the qualty of the finished net. Participation in the last by United Stetea Fish Espo held in Seattle, in October 1977, has helped to double Cosalt's fishing gear selse to this market in taken over the twine factory of Belfast Ropework tory of Belfast Ropework control of the quality of the product from the sx-trusion stege right through to the finished net. New Coealt branches have been opened at Scarlished Ayrahire firm of borough and Plymouth, better!" Gear for the 'Hammond'



THE trewier Lady Hammond, formerly the Hull-besed Hemmond Innes, hee been sold to Censde for experimental fishing. She left on her deliberations on her delivery trip less week, complete with

Cosalt flehing gear.
Her skipper for the voyege is Mr. Max
Baker of Nove Scotie who hee a mixed
Canedian and Sritish creiv.

Diamond-9 mid-water lets
company's plant at Frazerburgh.
Throughout her excess, the 176ft long
wet fisher has been consistently one of
Humberside's highest earning frawlets.
She was built at Beyeriey in 1972 for
Newington Trawlers Ltd?

ocear PROTECTIVE CLOTHIN

ticularly for inshore boats — have helped to boost turnover of the Grimsby-besed Cossit group to an ell-time record.

Totel pre-tex profits last year reeched Li million — elmost double the £1.2 mil-

The group's turnover rose from £17.7 million to £23.6 million, and exports were up by more then £1 milion.

Coselt's sales to the flahing industry are developing fest, deapite the crippling

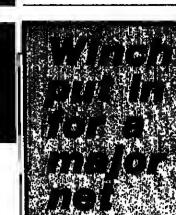
risis fecing Britein's distant weter fleet. This is largely the result of a whole new emphasia

on supplying the inshore sector — and on rapidly imploping sxporta.

Cosalt has been quick to

ake advantege of the gowing export demand for fishing gear as more and more countries take on 200-mile limits.

The company supplies to over 50 countries and, ss the export market nows, will be stepping up the participation in most of he major international thing exhibitions.



W & J KNOX has recently installed a spacial winch at ite Kilbirnle factory to handle a repair on a sprat

purso-seine. purso-seine.
The net, worked by Gollic Rose (Skipper Wattie Andrews!, was purchased three seasons ego. After a lot of heavy ose the bunt section wore out and now Knox is raplacing it and giving the net a major overhaul.

a major overhaul.

This is not the first job of its kind handled by Knax, but Gollic Rose's large purse seine presented special problems, so the winch hod to be installed.

The firm place to complete the overheul in eight to tec

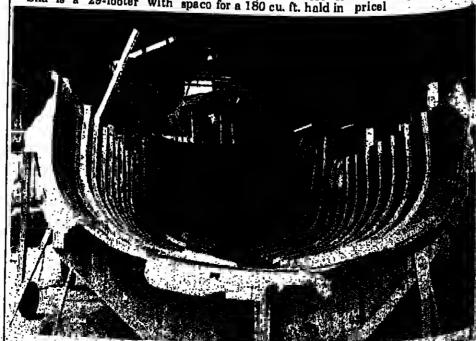
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Mk. II" pair trawi is IN RECENT years thare of the Green Volley.

operates through the Denbrit dates from wail into the agency of Grimeby, hea had last century. is ax. agency of Grimeby, hea had last century, is ax-

also provides a dredging of artisanal fisharias may use rubber discs only.

effect which gives a marked with boats as low as Much in daveloping this improvement in catches.

J. Carl Ross

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the most effective nat has been a conever used by Grimsby sidarable ravival of inskipper Roger Youngar | terest in damersal pair of the Green Volley. trawling, or seining. In net designs used in the give the lift and thus ollowing mance of the Gemini which Skippar Younger, who The tachnique, which UK the first of the more rethe lower wing to stand at a has been improved by the ina Gemini net eince its in-troduction.

Apart from obtaining ad-futura in the UK with footropes interspaced with Apart from obtaining additional heedline lift, Skipper Younger says that the Mk. II

futura in the UK with footropes interspaced with essels of 200-1500hp, and in the devalopment their length. Fins ground rigs 10hp.

T. F. Allen, B.Com.

COSALT

type of trawl has been done

Initially a 1/10th scele model of the Cosalt Gemini pair-trawl was made by the author and tested in the Whits Fieh Authority's flume

Short vee

This net wes originally introduced into Grimsby and it had a headline of 117ft. 4in.

short vee, cut back on a bar from the wing end to the laistritch.

pair trswl, although much This type of trawl may be for vessels with et least 366 from the edjusted to suit varying from Cosalt's fashore 36 from Cosalt's

It was apparent from the flume tank trials that most of the 10ft, lift attained came tended to stand at a very steep angle to the sea bed. Cosalt's Inshore Net

home-watar fishing ond ganeral chandlery have anabled tha Shipa Chandlery Division to return record anabled tha Shipa Chandlery Division to return record ed to insert a side panel into the trawl, heving 60 meshas Interest profits (up 70 per cent to £1,634,000).

Both the assets and the management of W. & J. square and tapaning to 20

tribution during the year, the exparience and availability of the latter playing a decisive part in the ly used for commercial trials daclejon to buy in Saptamher the nat and twina ac- with very promising results. tivitias of Balfast Ropeworks. The purchase of thase

After the daoision to open a branch in Plymouth in April last year, the opportunity orose to acquire the wall-established business of Plymouth Ropes in Editorial Editor at the headline would be improved, but sea triale ebowed improved catches of flat.

wall-established business of Plymouth Ropes in August.

A similar pattern ensued more racently with the opening of a branch in Felixstowe early tble year followed by the purchase last month of P. D. When a model was tested in the flume tank, the engineer-integration in proved, but sea triale enowed datarmine warp loads, effects of towing epeed, headline once a trawl has been modell-height, wing spread, door performance, plus areas of slack and strain the flume tank, the engineer-integration.

So much con be achieved of towing epeed, headline once a trawl has been modell-spread, door performance, plus areas of slack and strain in version parts of the net.

llowad by the purohase last month of r. is a strain (Fallxstawa) Ltd., which operates as ships handlers and honded werehousemen in that port. It should not be thought that the improved results smount of additional lift was obtained.

In the early days, attention was focused on testing existing trawls. Several well-strain materials are modelled. It should not be thought that the improved results are attributed solaly to new acquisitions. Each of the branches anjoyad a high leval of damand, proving themselves once again highly adaptable, each in the was apparent, however, why flatfish catches had improved results are attributed solaly to new acquisitions. Each of the obtained.

It was apparent, however, why flatfish catches had improved results are attributed solaly to new acquisitions. Each of the obtained.

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It was apparent, however, why flatfish catches had improved results are attributed as a second results. The results are attributed as a second results are attributed as a second

Cosalt has always enjoyed a good demand from its oversaas customers, but oevar have they hoen more important. The eoforcad decline in the British dietant water fishing industry, now, alas, almost sunk without trace by succassiva cod wars and political neglect, has been to some axtact matched by a corrasponding increasa in fishing affort by other nations.

Cosalt has been abla to meet the demand from

these axpanding markots as witnessed by its inoraasad axports.

Against a background of general deprassion in the fishing industry, this Division had to work very hard for its success in 1977. The target for 1978 is to repoat that achievament

Wa believa that we have the organisation and the managament to achiava that

target, in what we axpect to be a more difficult year.

The above is reprinted from the Chairman's statement in the Cosait Annual Report

Gear expert Clive Radcliffe reports on the latest fishing gear development by Cosalt

with a fishing line of 117ft. 4in.

with a fishing line of 130ft.

The wings ended in a fairly short vee, cut back on a bar from the wing and the wi

Telagrams: Cosalt, Grimshy from the lower wings which

box trawls selling under the

THE STRENGTH of its overseas markets (axports up 64 per can t to £3,200,000), an expanding demand from tha off-shore oil industry (sales up over 33 par cent to £2,000,000) and tha decision to concerning the use of side axtend our production and salas facilitiae to cater for panals.

Knox, acquirad lo March 1977, mada a valuable con- meshes at the wing end. This trawl was immediate-

two formar compatitors has anormously etrengtheo-ed Coaalt's position as the landing UK supplier to the

Exports
Pre-tax profits
Exchings per share
Assets per share

Excellent results

An altametive experiment used a two-seam trawl of equivalent fishing circle to the Panel trawl, but with the additional natting put into the upper end lower sections. The wings were widened and the vees cut back on a side knot,

to the catenary formed by the heedline. The equere is making them much deeper.
These results were also disactrous. The trawl had less marginally deeper than in conventional wing trawls, and heedlina height than the original, and the deeper vees resulted in netting from the lower wing end being elack the bellies are marginally extended as compared with the original Gemini. and trailing on the sea bed.

Adjustable

deep side panel, which retain the maximum depth

If the centre bridle is pain tension it will close the in ponol but allow the top a ower wings to open to the maximum, and recelt in trawl with a very seed hoodline height.

'This led to the design of the concurd being utilised to on the top and lower body. produce n butterfly type then the net will set in threa-bridle trawl having a more conventional berias

throughout the wing and finishes in a third vee et the

The new design has been modelled on behalf of Con-The trawl hae much wider wings with a range of verying cutting rates in the top wing. Thie allows a good curve to fit by the author, and the rest of the early trials look were promising, with an acticipated headling height? 26.5ft. and similar wing en epread as the original Genia

Up to 280kg, of buyand may be applied, and the m still eppeera to grip tightly: tho sea bed, whereas an high lift trawl designs teed! skim the sea bed very ligh

'i'hese trewls are now production and are aveile

Department at Grimsby has for some time been supplying pair trawls to the local fleet, and a very successful range of



TO THE GEAR manufacturer, the White I is a roasonebly simple at the Authority's fluma tank in Huil is like a dream come trua. It adds a whole new dimension to gear development and provides a nowarful new four versions of the Junto gear development and provides a powerful new tool to the gear tachnologist.

The tank itself ie the trawl. Various modifications 114 and 132 ft. largest of its kind in the were carned out and a new Of these, three of the contract of th world. Larger than normal model made to the rovled

from all divisions

PRELIMINARY STATEMENT FOR 1977

covered. One-for-two lasts proposed: present intention to mointein dividend on new capital it legislation parmits.

Shipe Chendlery: Strength of oversees markets and expanding domand from offshors oil industry contributed to a record year.

Care vens: Market share and profits improved in difficult trading conditions. Refrigeration and Air Conditioning: Another successful year.

PROSPECTS: Another good year expected, with added capacity in ships chandlery and garavan divisions coming on stream.

Profound

The number of floats can have a profound effect on lift; kites oan, In some circumatances, be used to good affect; different to lean-front elements below to lean-front elements below to lean-front elements below to lean-front elements. light of changing circumstancas in thair own port.

Coasit has a uniqua branch structure, which is standing it in good etead during what might otharwise have been a very difficult if not impossible tima for a mora centralised company.

Lossit has always enjoyed a good demand from its in the might of changing circumstancas in thair own port.

Why flatfied catches had improved catches had improved cross section shape of the netting in a dancy of some high illumination and in detail.

In one particular case, the slack and baggy netting in a very popular and well fished the combination are demonstrations.

Over the past yest?!

Points which had to be considered at the dealgn stage More trawl m
were good net talloring with der construction bu
evenly spraad nettling tention in the im
throughout the trawl and future as far as less
regular taper rates, avoiding gear is concerned
areas of strain such as wing prove the performance
quarters and selvedges. Inting trawls (atherthe design had to be develop more new

First impressions, as 1

and the meshes through the trawl all seite

range were designed with hoodline lengths of 80, ioo, Of these, three were settled by modelled and tank tester.

trawl settles into the fishing poeition, ie that its tallering looks good. There are virtually no ripplea of slack netting

the combinations are demonstrations have been numberless and intriguing.

the combinations are numberless and intriguing.

Many questions can ba posed and anewered in a short time by simple modifications. The effects of faulty rigging, bad net fixing or incorrect wire lengthe are easily highlighted.

The new Jumbo range of high-lift trawls was devaloped entirely in the flume tank by Cosalt.

Points which had to be considered at the dealgn stage.

More trawl manager, the dath flume tank by Cosalt.

Grimaby.

Kilbirnie to sell complete purse nets

W & J KNOX will be selling fully-rigged pursa

The company is already a major supplier of puree seine repair panels. And many of its staff who will be working on the pursa nets are ex-perienced in making ring nets until recently an important ndustry at Kilbirnis.

Knox is also stapping up production of its netting for production of the fleeting for purse seine rapair panels. This decision, made a year ago, has been reinforced by a bulk order for panels from a leading Norwegian manu-

An in-depth aurvey of the purse seine fleet in Britain has established e requirement for a UK-based net repair depot. Knox ie, therefore, modifying its premises and installing equipment for the haodling of these nets.
The picture shows Knox

staff preparing purse seine penels for abipment to

Keeping Gourock catching

W. & J. KNOX'S involvement in trawl manufacture really got moving in 1975 when the company took over production of Gourock Ropeworks'

For severel years Gourock had not produced its own not produced its own netting but purchased by the tale from other manufacturers, including Knox. It did have vast expertise in trawl and eeine design end cunstruction, going back to the early deve when it was the first British manufecturer uf he original wing trawls.

mand for Gourock trawls; two, that Knox was going to lose a customer.

Devid McGeorge, manager of the net loft with 25 years xperience with Gourock ined Knox and kept the

These three men formed ias grown into a euccessfu

In 1778 the Knox brothers began to spin the flax they farmed in Ayrshire. They produced linen yarn, braided twine and nets. Today, 200 years later, there is still a parallel. Where the farmer sowed his seeds, the present Two things were apparent: one, that there were still a degranules to extrude in its modern Northern Ireland factory.

recognition and beyond the wildest dreams of the Knox Since coming to Kilbirnie, dr. McGeorge has worked clongside two highly exdefenced former disperse. brothers — is the demand for the

50 countries world-wide.

Yarns and twines from Annahilt



plant makes a wide ranga of

Additional naw plant has been in-stailed for the production of cahled

Revived interest in an old technique

revolutionissd the lo-dustry, Knox installed modern looms designed ahallow bottom spacially for weaving dent wrecks.

For many years the vast Canadiao cod and

eecalation of fuel costs ed caga with floatat. have led to a re-awakened collars and walkways.

IF THERE is a fishing has a healthy and rapidly clusively from Eogland, mathod that has growing market for thasa ramained basically unchanged, it is gill natting.

There is a rishing growing market for thasa with the amphasis on the same nets in Britain. South-coast.

Specially daslgoad and Tho vary large Irish and around wrooks, they portant market. Thora is a same around wrooks, they

> Trammel nets are also nylon net is still likad in much on the increase and Donegal and the north.

When synthetic fibres are proving most a preference for that are proving most a preference for the successful in the North "single throw" or "slack Sea with its similar spun" type of nyloo net in ahallow bottom and abunta the acute, but the heavier conventional twisted

Knox is now floding

demand up the eost coast as far north as

Abardeenshire. In racent

yaara the requirament has been almast ax-

Norweglan selmon fisherles were supplied by Kilbirnie, the only UK moooflament net manufacturer in the the fish farmer

Today, gill cets are TO KEEP up to date with forms of dip and drag nets are still supplied to the tha rapidly expanding fish knox not only offers constituted as when of learns indicates the state of t limited oumber of licens- farm industry, W & J ,

Interest in gill cets.

Knox — a major both salt and fresh water. If hitumen preservative. It is supplier of polypropylene cod nete to Denmerk for the Baltic fishery — now predstor security nots. All foulant treatment also.

vantional knotted nylon neted salmon fishermen in Knox is abla to produce ting, but knitted knotless netthe north-east of England. cage nats to customer ting to cut down scaling and The deplation of the apecification and a finish- eye damage. These come in a trawllog grounds and the ed caga with floatation wide range for all fish sizes.

At present all Knox cage These cages can be used in netting is trested with

_ a net maker's path to success

What has changed — beyond

erienced former skippers — Lindy McCrindle and David Today Knox nets and twines are used by fishermen throughout the initial epearhead of what Britain and go out to more than

LAST September W. & J. Knox olude cophisticated electrical units acquired the Balfast Ropes Group at Annahiit (pictured abova). The plant makes the production of cahled stailed for the production of cahled

braided and twisted polyethylane monofilament yearns and twinas.

The company is now up-dating the axtrusion section and major replaced ment parts are being fitted. These in-

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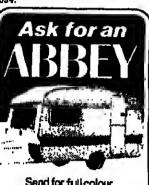


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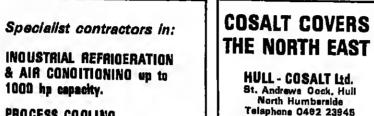
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whita line is a form of seconding which portrays the seabed as a thin dark line on the chart with a hlank por-tion, or white line, immed-lately following it. When no fish ere present, the sea- "YOU receetly mentioned bed contour le presented on a publication on how to the chart as e thin derk line prepare ealmon for emok-**ALUMINIUM &** of coostant thickness. PLASTIC FLOATS

Echoee from fish on or close to the hottom will cause smoker hut cannot find the this line to thicken. If fish are erticle. Can you refresh my present in significant quan-illies, echo traces will show "The publication was deerly as shady patches Torry Advisory Note No. 5 -

The white area which preparation of smoked follows the eeehed contour selmon, by A. Bannerman provides a charp contrast, and J. Horne. It is obtainable msking it sasier to discern (free) from the Torry mythickening of the contour Research Station, P.O. Box line and to recognise eny 31, 135 Abhey Roed, Aberworthwhile shady patched deen, Scotland. which denots closely packed in hear the seabed.

Conventional echo Power out show these as merging with the seabed in such a way as to of line ottom echo Itself.

Basic purpose of grey line "CAN you send me any inrecording is the same as that formation about white line — to enable fish hydraullo tranamisation or very near the bottom to aystems which enable en When this method of nnywhere in a bout?"

presentation is used, the thin dark trace of the seabed profile followed hy a white power output of 50 hp at 1,000 space is replaced by e chaded representation in the propulsion unit, which has a produced by Premier in the premier in

In rough weather, if white Precision Ltd., Western the presentation le used, a Road, Bracknell, Berkehlre. reak-up of the seahed trace It coneists of a pump unit, may be caused by the heave coupled to the main engine, of your bost and result in a which transmits high confused dieplay of fish echo pressure hydraulic fiuld to an When grey line precentainto a etreemlined aluminium

tion is used under the same alloy housing coupled directly shove the shaded grey area
will indicate fieb

Dyneline facilities are returne at low pressure to the similar to white line facilities pump lnlet for reciroriginally iotroduced in culation. The power develop-Kelvin Hughes echo soundere ed by tha main engine is, and now incorporated in all therefore, transmitted to the lits fish finding sounders.

When e sounder without high pressure oil flow instead whits or Dyna line facilities is of through a gearbox and whits or Dyna line facilities la of through a gearbox and

used to detect fish on or close shafting.

to the hottom, echose from A relief valve hetween the sach merge and are difficult flow pipes prevents damage to distinguish from each to the eystem in the event of a other. Incorporation of Dynaline
Scilities consists of adding a working clearancee in the circuit to the amplifier to cut pump and more units is off altogether.

it off sltogether when returned to a reservoir, being amplitude of echoes exceeds a replaced by means of an aux-

When you make use of low pressure flow line.

The pump feeding into the line, cut off level is set above. The pump unit is of the maximum fish sobo strength variable volume, reversible sed below minimum bottom flow type and is controlled by

echo strength. Fieh echoes are a huilt-in manual servo subsequently uneffected hut eystem that enablee eny flow hottom echoes cut off the rate from zero to maximum to amplifier leeving unmerked he selected in either

specee on the recorder paper. direction These form a Dyneline, The I ahove which all echoes must heard m The housing of the outheard motor unit ie completely filled with oil at a slightly Contour line facilities higher pressure than the water enable you to eliminete all surrounding it, so that leeks hottom echo taile from the into it cennot occur. It acts as chert. All that will be merked an effective heat exchenger on the chart ere echose from for cooling the oll. fish and the seahed. The motor unit cen he ettherefore the rest of the tached directly to the hull of e

best which we intend to paper will he unmarked and heet or he mounted oo the for flat fish. What sort of for flat fish. What sort of time.

Lached directly we mend of the mounted oo the lower end of e rudder stock.

Use of this propulsion unit Soundere incorporeting meens that the main engine whits line facilities only, and can be lostelled wherever you to the bottom?"

Sometes whits, grey, Dyna or Cootour line facilities is undoubtedly heat for the purposs. Such en instrument makes it essier to discernechee from fish which are selected fro

salse and service depots to very close to the bottom—so close as to he helow the headline height of a trawl.

It enables you to meke a relieble estimate of fishing prospects when travereing a are obtainable from your prospects when travereing a are obtainable from your prospects when travereing a relieble headline height of a trawl.

It enables you to meke a fecilities only, and instruments incorporating both, prospects when travereing a are obtainable from your prospects when travereing a relieble estimate of fishing prospects when travereing a relieble estimate of fishing prospects when travereing a relieble from your prospects when travereing a relieble estimate of fishing prospects when travereing a relieble estimate of fishing prospects when travereing a relieble from your prospects when travereing a relieble estimate of fishing pro It enables you to make a reliable estimate of fishing prospects when travereing a particular ground and it belps you, when towing, to assess the quantity of fish likely to be caught end to regulate your towing time acreduction of engine speed.

Another hydrostetic reverse — endie connected to velops for reply.

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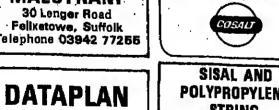
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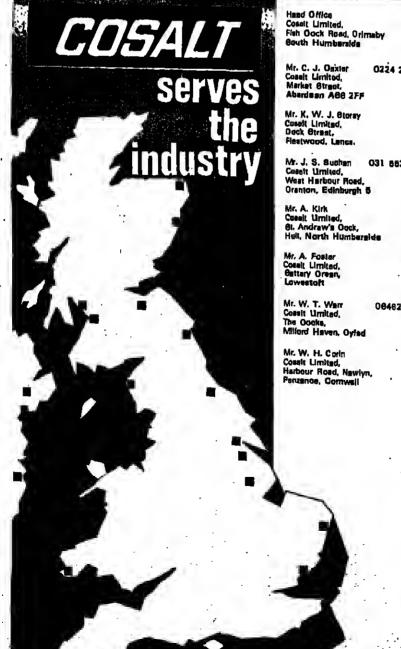


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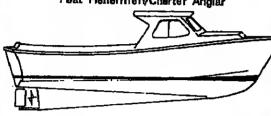
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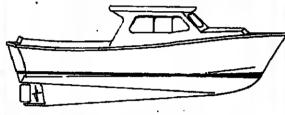
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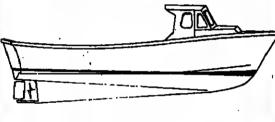
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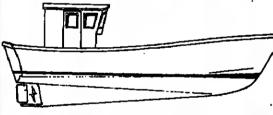
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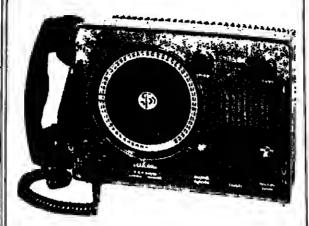
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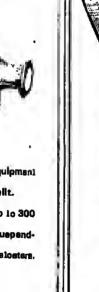
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Grimsby coming out of doldrums

solitary distant water trip and with the indifferent fishing nearly all the middle water trewlers are facing, it was a much better week for the south Humbereide port.

Quality cod has been changing hands wali above woo per kit.

Hull.

None of the other near/middle water trips came anywhera near the top trio. BUT's Ross Cougar (8k. Jack Major) was next best on £17,772 from 752 kite after 15 days.

Top North Seas trip came from the Belgian vessel Cleaner (0 306) and her fine anywhera near the top trio. BUT's Ross Cougar (8k. Jack Major) was next best on £17,772 from 752 kite after 15 days.

Quality cod has been days.

Changing hands wall above to per kit.

A blue ling trip by the French atern trawler Bisson produced the beet grossing of the produced the produced the beet grossing of the produced the produced the beet grossing of the produced 28,978 from e turnout of 1,195 kits after a Weeterly trlp through the Boston

Dennis Speck) led the local semings with 225,888 from 914 kits, including nearly 450 codstuffs, after a 17-day

Westerly trip.
The only other vessel to top
t20,000 was Boyd's Hull wet lisher Arctic Vondal. However, a big landing of

THERE were eights last was a fraction.

In the catch was almost took all of the amounts of rough fish the catch.

In the catch was almost took all of the amounts of rough fish in the catch.

In the catch was almost took all of the pair teoms. Sleight had one of its good patchee and almost took all of the amounts of rough fish in the catch.

In the catch was almost took all of the pair teoms. Sleight had one of its good patchee and almost took all of the honours in an axcellent was only a marginal improvament. With so much considering the was a pointing £23,626, from a trough fish and the catch.

Even so, deepite the almost took all of the pair teoms. Sleight had one of its good patchee and almost took all the honours in an axcellent was fish about and catches on the low side, inevitably several vessels ran deeply into debt.

Top North Seas trip came

This catch was almost cod trip, this time of 505 kits, had one of its good patchee and almost took all the honours in an axcellent was fish about and catches on the low side, inevitably several vessels ran deeply into debt.

Top North Seas trip came

Top North Seas trip came

To Nor

very firmly on flats.

A combined grossing of £22,119 by Laurids Skomager (Sk. Jorgen Bojen) end Anna Michelle (Sk. Pete Harris) from 768 kits, mostly of cod

On the same market the John R. agency, was the Rosa Jaguar lad the local eernings at Grimsby after a 17-day Wasterly trip

THE FIRST North Shlelda fishing

Fisherman's Mission there, soys he the industry.

Financa for the evant, which includes a "sali past" of decorated fishing boats, children's fancy asch boat in the regatta will be the ship in himself. The tow best regatta since the turn of the ciudas a "sali past" of dacorated tentury is to be held on Sundey. fishing boats, children's fancy

spects over 40 vessels to take perland at least 600 people from the fishing industry to be present.

Mr. Cross says that in the event the will ennounce the winner of the the Weish port.

N. Dixon.

N. Dixon.

The Mayor, Coun. J. P. Dixon.

will ennounce the winner of the decorated boats compatition.

Clampdown From page one

no effect. The skipper was fined £15,100, last Friday.

The day before Skipper Salvador Badioca of the Bilbso trawler Gorichio was fined £15,000 for illiagal fishing and £100 for disobeyalieged offence.

Michaei Howells. prosecuting for the Ministry of Agriculture, Fisheries and Food, said that the Spanish vessel was arrested by the miles inside the British sector of tha EEC limits and did not have a licence to fish there. The Royal Naval bosr-there. The Royal Naval bosr-trawler fishing within British skipper to procead to Milford but he refused.

towling on board the vessel and also an armed The organiser Stephen Cross, who is superintandent of the Fisherman's Mission there, soys he arrived and hovered over the vessel. Then the Spanish vessel was warned about hav-

Gaorges Jean Bourhis from Finistere edmitted fiahing in ing an instruction to proceed to Milford Haven after the British waters with a small mesh net. The megistrates ordered the offending part of the net to be confiscated end imposed a suspended prison sentence of 60 days in default of payment within 24 hours.

Anthony Collin, prosecuting for the MAFF, said the charge was brought HMS Stubbington 409 miles prosecuting for the MAFF, south-west of St. Anne's Head. He said the ship was 28 under an act designed to

ding officer ordered the limits, 78 miles south-wast of lymouth.

The trawl containing field was being hauled at the time.

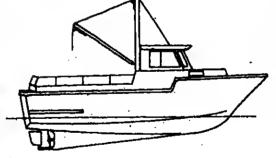
Is your propeller working for you? Or against you?

If yourns a small workhoat, like o mg or trawler under libbs, chances are you're transless around with the wrong

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8.5 metra Fishing Vessal/Workboat

Length O.A. 8.6m. (28") Length W.L. 7.1 m. (23' 3"| Beem 2.9 m. (8'8"| Oraft 1.0 m. (3'4") Up to 120 hp.

BASIC BOAT PRICE £4,950



11 metre Fishing Veseal Length O.A. 11.0m. [36"] Length W.L 8.4m. (30"10") Beam. 3.8m. [12'6"] Oraft 1.8m. [4'3"]

Seed on PCF38 by Bruce Roberts Up to 100hp Optional 10 tonnes approx 4 tonnes approx.

BASIC BOAT PRICE £12,785

Basic host in sil pases includes the following: Hull, Deck and Superstructure, angles beds, stem tube, rudder, stock and tube, fuel and water tanks. All fitted Window and scupper apertures out to instructions. Shot bleeted and primed with two coats of zino rich spoky based paint

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a liquid coating which dues rapidly with a hard abresive firms. Provides a really non-slip surface for wood or metal decks. Obtainable from your Chandler or F.M.A. or write for descriptive leaflet and name of stockist

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creased to 4,580 tonnea
valued at £1,890,000l
Datails of the scallop and
its fisheries in England and
Wales ere presented in a new
laeflet produced by the
MAFF Fisheries Laboratory
at Burnham-on-Crouch.
Seahouses.
Brixham hes been the most consistent with usually three-to aix boets of 45-60 ft. (15-20 metras) fishing for most of the same first fishing fishing fishing fishing for most of the same fishing fishing for most of the same fishing at Burnham-on-Crouch.

I found the information of markst cooditions. Occonsiderable interest. Did casionelly some of the boets you know that the scallop have switched to queen numbers 20 vessels, works which a similar number of the fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing and catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing at the catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing at the catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing at the catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing at the catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing at the catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing at the catches of 16-18 grounds from off Start Point vessels (ten-12) were fishing at the catches of 1 ell the shell edges?

Growth is most repid from Brixham Include Start Bay, April to June and is virtually Lyma Bay, Torbey and off non-existent in the winter, Portland. although the growth rate of Plymouth hes developed as

SCALLOPS must be considered the boom shelifish used as bait.
Sincs the Second World

secording to sbundaoce and

elthough the growth rate of the scellop veries from erea to erea. Some scallops cen attain the age of 14-15 yeers and epecimens over it yeers old have been the scellop been for a scallops were plantiful there in the mideral problem. This has been fished by the scellop to 30 metres of up to 30 metr



at Falmouth in Cornwell. the Owers and from erou One productive area, found five to 20 miles offshore. in 1976, was located south of Raguler landings of over Channel the small the Wolf Rock beyond Lands 500 dozen scallops per boet 'Newhaven' dredgaaare used.

registsred — heve irregulerly fielsd beds off Anglessy and

registared — here irregulerly fields deds off Anglessy and in the trish Sea.

With a long history of sporadic lendings, Newhaven sporadic lendings, Newhaven are reported to still expenses the second of the long wes developing again follow-ing the discovery of stocks in svare winter of 1963 halped bring this fishery to a closs end only smell landings were

The autumn of 1975 saw the stert of a boom for the Walsh coasts oud off Newhaven end the smaller north-seat England.

lalands in the west. Oc. Savaral bads have been to lighter dredges flahed in chains to the been tred Grounds now fished from casionelly landings are made worked, from Dungeness to fleets of two to six helps to catch more scaling rixham include Start Bay, at Falmouth in Cornwell. the Owers and from eround dredges each side of the boot. but beam trawls probably a

mechanism of coiled eprings. distribution of the stellers. When the teath hit a rock the in England and Weles. tooth ber tilts back, thus avoiding snagging or breeking the taeth. This is e necessary maasura ln tha eastern Chennal where much of the found out that France is ground is stoney and evan major producer of musek than considerable damage and in racent years should still occurs necassitating fre-par cant of the European

Despite recent expansion of catch.

unfished. Likely areas are nff side.

'Newhaven' dredgaa are used.

solid etesl trienguler frame. They have nine or ten teeth

walded to a ber 0.8m wide which is ettached to e 'trip'

is poseibls that sxtensiva of these dredges but the stocke sxist that are, as yet,

orth-sast England. Brixham, escallops here ben fielled by trewling mainly a

in the enetern English not catch so many seeding Channel the small par unit area fished at

These are spring-toothed The leastet (No. L12) as dradges based on a simple be obtained free of charge

Leboratory, Burnham-on.

tha biology marketing and

it was only receotly that I

supply comes from France. Indeed the demand for

Mussale have been grown

system was davised by it

ad on the Brittany coast and

who graw mussels for food

One of the main centre of

Large aress of the short

e shore where the poles at

quent repeirs.
These dredges are fished on a steel boom with rubber bob- niussels in France accedits bin wheels at aech end. To supply and large imports at each boom ere linked two-six mads from Holland, Spate dradges with two booms per and Garmany.

The chain ballies ers often of double rings and the backs of twine netting.

The chain ballies ers often on posts in France for every 700 yeers, it is said that this system was davised by to on posts in France for one

Efficient

In the weet, olf Devon and cultivation is on the oord Cornwall, 'Newhaven' Brittany coast. Wooden (ct.) dredges have come into fevour for fishing rocky ereas. But where the ground is softar end the scallopa are burled in their recessa the 'Franch' dradges or 'dragues a volet' grow to marketable size.

Brittany coact. Wooden (ox) posts about eix ft. high at driven into the chore at less collected on ropse are would around the posts where they grow to marketable size. ere found to be more efficient.

The 'drague a volet' is en improvement un the 'drague posta; French fishemeo ste posta; French f Bale de la Saine.

The addition of the diving plate is said to improve its afplate is said to improve its afficiency considerably. There are about 20 teeth set about nins cm apart nud usually longer (ton-12 cm) then those onger (ton-12 cm) than those serviced by three or four men n the 'Nowhaven' drodgo, to

MAY 26, 1928

... Recalling some of the stories which appeared in our columns this week 50 FISH trade warns that a

new Bill to etop Sunday trading will sarlously affect everyone in the in-dustry and will not go through paritament as easily as ie thought. BOSTON trawling firm places orders for five dlessi-propelied trawlers.

MESSRS Cochrana & SEINE net flehing for haka by Swedish fishing haka by Swedish fishing boats is the letest lunoys boats is the letest lunoys to go to Huii. She is named Deepdole Wyke

LANDINGS by foraign ment.

LANDINGS by foraign ment.

vessels at Fleetwood in April this year totaliad 835 tons — 515 tone more than in the same period last year.

TWO Queenborough men drown when their oraft capsizes while they gather ecookles on the Isle of Grain in the Thames.

CREW of French fishing Health Insurance within the within the Wessel fire shots at Por-

The Northumberlend bods recessed secallops. stocks are reported to still ex-lst. Dsvslopment uf a fishery clip allows the steel bank part when emptying the fishing nctivity for scallops it The smaller books find be

AN 460,000 purpose-built emargeocy respiratory unit is to ba installed in Scarborough Hospitai due to the Soarborough Picherman's Wivea week with the first fish of the

The association started that boat, Cairngorm, owned by campaign last yeer, it first est a target of £40,000, which deubled efter plane had bash and ware enappad-up at £35 per unit hy kipper curers. Fresh Many handled The management team of were on sele in the control of the management team of were on sele in the control of the management team. The management team of were on sale in the chope the next day.

Landings were light, but the fleet was axpected to grow. various funds, but raprasen-isives of the association in-sized that they would raise

THE MANX herring season of-ficially opened on Monday last

Concervation quotas ere also belog applied egain this year. Around 2,000 toos is the limit for the low saason from now until August 20. The Manx high season — which goes from then to the end of September — will also heve efixed quota, but this has not yet bean announced.

Operation at Staithes.

The lifeboet at Runswick is due to be withdrawn on June 30, s decisioo unlikely to be effected by the fishermso's moves.

Radcar fisherman, Jim Thompson, said thie week that lishermen who tried to save not a worth up to 22,000

meet the balance from various funds, but representatives of the association indiged that thay would raise the full amount.

Rechel Jenkinson, acid that the fund now stands at 129,000. The building of the unit will begin in September and it will be attached to the second price of nearly 670 par unit.

The new sales company Manx Fish Auctioneers Ltd. sold its herring from the Irish vassel Fisher Lad skippered by the Irish vassel Fisher Lad skippered by the Irish Sea, John Warnick. The buyers were precented with a bottle of champegne and Mr. Warnick received that better the field of the building of the unit will begin in September and it will be attached to the secident werd of the hospital.

Association member. Rar more local boats have turned to the building of the unit will begin in September and it will be attached to the secident werd of the hospital.

Big Manx fleet PROTESTS OVER

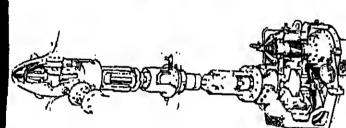
to hit herring FISHERMEN along the North Yorkshire coast appear to have lost their battla to save the Runawick Bay lifeboat station daspito moves at a meeting of the North-Eastern Saa Fisharias Committae. Members went the RNLI Fishermen say the move to reconsider its plan to closs has come at a bed time as the station end replace it with they are now using more fixed a smell inshore craft now in nets than lines.

oparation at Staithes.

save nets worth up to £2,000

A tidy sum! —

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PUBLICATIONS

Oktionary of Fish and Fish The result is an up-to-dete Products, out of print for working tool that no fish trader some time, has been published in a second edi-

This book has become an sauntil source of information sout fish products around the wild. It gives names in 16 is fish research and dayalop- Farnham, Surray, England hent work advised the OECD Price £16 net.

It comes in an ettrective anid-smbossed binding and has 1.117 antries spreed through its 430 peges. Interest and briefly outlines The Dictionery is published for the OECD by Flehing News A panel of experts engaged Books, 1 Long Garden Walk

MNANCIAL consultants to the fishing industry, Wild Morgan Accolation Ltd. of Dundee, le breeding its willow to the state of the st lereeding lite winge into Aberdseo and expanding it Petsrhead with two tew eppointments:

Desisting from Aberdeen, ho Stuart Carmichael



Weld Morgan Associates have appointed two new con-Milants, Above: Kaith Scott and below! Stuart Carmiches!.

or processor can afford not to

have on the shelves of his office

Keith Scott (82). Macduff to Wick.

nctivitios will be kientical to Mr. Scutt's in the life and Mr. Scott will slso be pension floki.

Tiponsible for Waid He will also have responsionable for Waid He will also have responsible for the first leading leadi

Morgan's fishing activities in sibility in the fishing industry the Life end Pension division for Peterhead, Fraserburgh and Shetlands.

MANAGERIAL chenges at Aberdeen heve been an-nounced by British United Trewlers which recently trensferred three trawlere from Fleetwood to Aberdean. Peter Ross will become

trawler manager from July 1.
He succeeds John McComble
who was appointed trawler
maneger of J. Marr
(Aberdeen) Ltd.

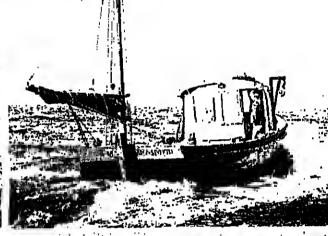
Mr. Ross holds e Diploma Mr. Ross helds e Diploma In Menagemeot Studies end e Degree in History. He spent some time with Halburton Menufacturing & Services, Aberdeen, before hs joined tha BUT office at Grimsby. Stenley Smith, crewibg manager at Aberdeen.

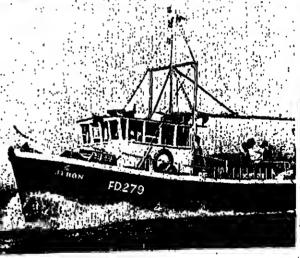
menager at Aberdeen, becomee operations maneger and Alan Cunningham becomes oll related projects managar. Frank Deane, accietant auperintendent

accietant auperintendent enginer, becomes the superintendent engineer.

Twenty trawlere and eight oil rig standby ships with a complete back-up service, are operated by BUT, which also runs 20 trawlers from the ports.









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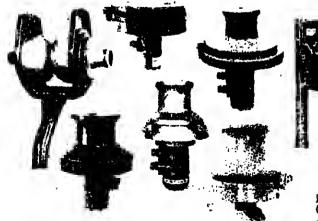
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spencer-carter LTD. KERNICK ROAD PENRYN CORNWALL

'V' block it does not orush

large fish se they pass over

vention been that he now

hes orders for seven more.

He is soon to move into a

emell fectory in Blyth where

he hopes to produce them in

The Deger block can be

sems nams — Spes Meris.

model built by Andrew Perker from Ar- good replice of the original."

neval erchitects of Arbroath.

Mr. Perker built the model working from the original plans of Spes Merks down for Mr. Perker. He retired two which were provided by Nepler Co., the Robb Caledon shipbuliders of Dundes.

Suchenen, has a rivel with a boat every Skipper Buchsnan but he has given me a ling on drawings for ships weighing bit as good as his. She even has the lot of help with the model. He has sent thousands of tons he has included every The rival boet is e helf-inch socie the original plane I think the model is a built up the boet starting with a skaleton end using mini plenks which he bent to shape using a kettle instead of a

The model will go on display at the Cetch '78 sxhibition at Abardeen in



Freezer changes

THE LATEST list of Benedict is now aeventh, be-placing in the British ing toppled from second place Freezer Trawler Competition by BUT's Kurd — 14 places

issued lest week-end shows up.

eome big changes.

Only one vessel figuring in vessels have taken Coriolonus the top five in the earlier from 15th to third end Ross monthly list remains in Illustrious from 24th to the leading flight end this is fourth, while Marrie Swannelia BLIT's Dane, which has more the advanced from with the BUT's Dane, which has mov- has advanced from ninth to

ed to the top from fifth.

Meanwhile Boyd Line's The top 20 placings are Arctic Buccaneer, up until shown below (positions now the leader, is down to previously held are in sixth, while Hemling's St. brsckets).

	Position	Vessel	Tonnss	Po
	1(5)	Dane (BUT)	424	5
	2(14)	Kurd (BUT)	349	
	3(15)	Coriolonus (BUT)	312	4
	4(24)	Ross Illustrious (BUT)	281	
•	5(9)	Swanello (Marr)	202	44 33 33 33 33 33 32 22
	6(1)	Amtic Puscencer (Poud)	1 4 40	7
	7(2)	Arctic Buccanear (Boyd)	1440	ŏ
		St. Benedict (Hamling)	1431	3
	6(11)	Kirkello (Msrr)	326	3
	9(29)	Arctic Freebooter (Boyd)	304	3
	10(17)	Kalt (BUT)	267	3
	11(16)	Pict (BUT)	263	3
	12(3)	Arctic Golliord (Boyd)	1223	3
	13(23)	Boston Lincaln (Boston)	217	ă
	14(21)	Rose Vonguord (BUT)	221	ğ
	15(31)	Invincible (BUT)	201	ď
	16(10)	St. Joson (Hamling)	1000	-
	17(7)	Coutballo (Mann)	1000	4
	16(30)	Southello (Merr)	1000	2
		Romon (BUT)	304	2
	19(8)	Cordello (Marr)	1013	2
	20(201	Arab (BUT)	189	2
		1	-	

Traava DS25 (26' 6'')

6. Vary low fuel coata TIMBER FEATURES

GRP FEATURES

l. Shallow dreft — from 1' to 2' 6"

for different typea of baaches

1. Lumbar holes — no extre charga 2. Any colour hull — no extra charga 3. Superior hand lay-up techniques

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to your individual specifications

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2. Only Grade A Thamas 10/88 merine plywood used

NEW SHIELDS QUAY 'DEPENDS ON

John Siikin, hes said

in the Commons. Mr. Silkin was replying to a question in the House from Tynemouth MP, Nsville Trotter, who wanted to know whet action the Minister was going to take to ensure the building of a new quay.

Mr. Trotter reminded the WHITE Fish Authority and Herring Industry Board loan interest rates are now as follows: Fishing vessels under to ten years, 12½ per cent; over 15 years, 13½ por cent.

Processing plants: up to five years, 12½ per cent; five to ten years, 12½ per cent; ten to 15 years, 13½ per cent; ten to 15 years, 13½ per cent; over 15 years, 13½ per cent.

Rabert Dec sank shurt five years, 12½ per cent; over 15 years, 13½ p

£10m. new fish quay party report on the fishing in- on the fish quay. for North Shieide will dustry had said such a quay

be considered "in relation to the future of other ports and the office of the future of other ports and the other ports and the office of the future of incapable of expansion."

Was necessary, and condemnty in the property is the old the other ports and the incapable of expansion. The property is the old the other ports and the incapable of expansion. UK's future fishing opportunities,' the gone out for the sale of Shields.

Incapable of expansion. will be converted for use by Meanwhile contracts have fish merchants at North Shields.

WFA rate changes

WHY ARE TREEVE MARINE'S NEW COMPLETE RANGE OF SHALLOW DRAFT INSHORE FISHING

BOATS PROBABLY THE BEST NOW IN PRODUCTION?

PROPOSED Minister that the recent all- 142,000 aq.ft. of factory space

ad a lucky escape site weekend when their Ramsey - registered list ing boat sank without trace after a collision la fog 24 miles off the island. Skipper John Williams and

Boat

crewnian, Jackie Ever managad to scremble off the boat Robert Dee without be The accident happened in

The new mechine is meinly wiper in packaging operations which, while not justifying high the early hours of Friday morning when the menser fishing off Maughold Hed Visibility was poor and ther was collision with the 41-to fishing bost Jacob Johanni unually operated tools.

May 26, 1978

simed to be about half the

cost of its competitors, has

been dealgned by a

orthumberland marine

Called the Decar power

Methods its Inventor, Oave Methot of Secton Delevel,

mer Blyth, says that at a

post of £800 his machine

will do the same se other

blocks costing £1,000 or

His equipment le besicel-

ly a powered roller which is

litted to the side of a vessel

and, instead of being 'V'

shaped, is flat with net

alities fitted to each elde.
"All the fishermen hee to

do le feed the net in end then pull down on it — the block does the rest," says

May 26, 19t

The OL-38 Marine essie

Salow: the Gordlan OL-35 Merine — this strepping machine has seeled electronics plue alloy and stainless stael perts to protect it from ingress of water. This makes it suitable



PW INSULATIONS Ltd., Polagete

Sussex, is now the sola UK agancy for North Star Ica Equipment of Saattle. This will enable PW Insulations to offer a omplete fieke loe peokage of meking quipment, storege bunker and refrigeration

plent to UK companies and oversees compenies importing from the UK.
The North Star ice maker is a verticali mounted, stationery, double-walled rigid cylinder. Water is pumped into the top of s hollow rotating shaft and distributed over a polished inner cylindrical surface giving e

Deflected

fitted with en strachment for pot heuling, end Mr. Moffett is currently working A low temperature refrigerent circulated n the ennulus between cylinder wells on a design for incorfreezes the weter. Excess water le deflected poreting his block into e hydraulio erm for use or beck into the receiving pen at the bottom of the freszing surface ready for realroulation. The hollow rotating osntral sheft carries

ntinuous water ourtain.

Flake ice package

on orm with a series of loe removal tools to sheer los from the freezing surface without sotusily touching the well. Weter-free los falls from the bottom of the machine.

ice temperature ce edjusteble to allow temperatures of 0° (-18°C) or lower. The los maker will produce more los per SHP applied than traditional units — 1.3 tons of refrigeration per ton of ice from in-

coming water et 80°F. Each ton of dry sub-gooled ice provides the equivalent of more than 17,000 square feet of cooling surface to chill end cool perishable products such as isrge quentities

Modern Reliable A NEW polypropylane strepping machine has been leunched by Godien Strepping of Middlesex this month.

Itie the OL-38 Merine which Workboat

board factory trawlers.

winnetically and the operator land the package. It has methines of ite type end wides capsoity for alde eding of the strep.

what fully-sutemette equip- A STRAIGHT-line window

ment, need a more wiper — the Wynn '49' — hes rephisticated system than been developed by Wynetrumente Ltd. The wiper has a lateral

A hydreulic motor is

fitted incide the 15in. long

eteel roller, which has a

rubber-bonded surface, and

Cepeble of a pull of

1.000lb. the blook hes e

flow control valve giving s

speed of anything between

designed the mechine after

e fishermen friend esked

him if he could make

oheep, efficient block.

Mr. Moffett seys he

The result is now inetall-

ed on three local cobles -

one at Creater, one at

Sulmer and the other on len Nesbitt's *Rising Dewn* s

One of the big adven-tages of his mechine, claims

20rpm and 800rpm.

le 9§in. în die.

aweeping movement and a het only to feed the etrep white marine finish. It is fixed windecreens and wide

The Wynn '48' le engine to merine appolitication and la available for 12 volt and 24 volt eupply. Standard stroke lengths ara 400mm, 550mm and

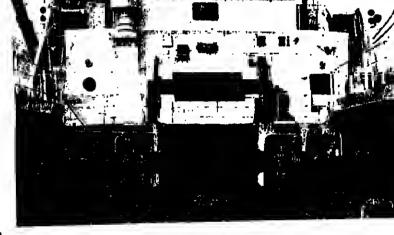
window wiper Wynetruments.

for feotory ships.



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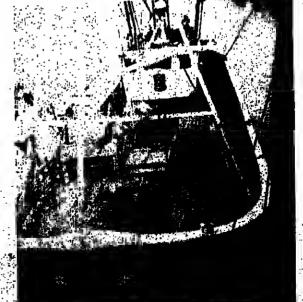
It is almost assentiel for pelegic fishing that a net drum be installed. Robertson's supply e range of drums with verloue drivs eystems for all classes of fishing vessele. Illustrated is a 9 cubic metre 30 ton pull net drum installed in essociation with Robertson trewl winches on the freazer trawlers 'Goth' end 'Roman'. Our range extends from 3 cubic metres to 16 cubic metres with pulle up to 52



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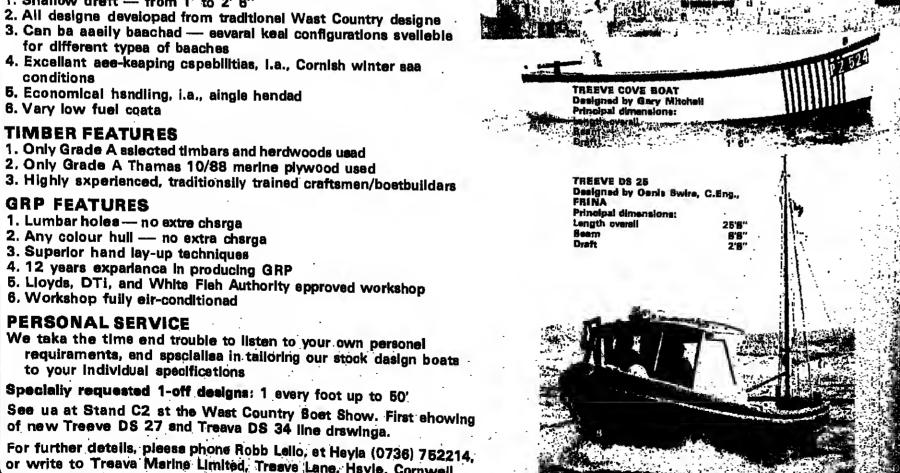
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TOP LANDINGS LAST WEEK

GRIMSBY

Murray), 192k, NS, 14 days.
£5,585: Resolute, War £8,139: Gladnes, Jubilee (Sk. J. Ole-Wright), 136k, 14 days. sen), 301k, NS, 14 days.
£7,941: Cleaver Bank, Sleight (Sk. C. Andersen), 218k, NS, 18 days.
£7,897: Pacemaker, Sleight (Sk. N. Moller), 228k, NS, 20 days.
£7,775: Nyborg, Jubilee (Sk. B. Olesen), 232k, NS, 16 days.
£7,657: Frederiksbarg, Sleight (Sk. G. Mussell), 241k, NS, 14 days.
£26,000: Graver

£11.770: Laurids Skomager (Sk. 11,770: Laurids Skomager (Sk. 1,209 K. 22,600: Pindarus, BUT (Sk. J. Jorgen Bojen), 404k, and £10,349: Glaegow), 1,540 k, S, 15 days.

Anna Michelle (Sk. P. Harris), £20,603: Grampian Monarch, Narth 364k, both Jahn R., NS, 15 days. £11,179: Leanda, Danbrit (Sk. B. days. Najrup), 330k, and £10,209: Caenby, Slaight (Sk. J. Lee), 323k, both NS, 14 days.

LOWESTOFT Middle water

£9,370: Skanderborg, Jahn R. (Sk. A. Mussell), 44k, and £7,153: Kathleen, Hamling (Sk. T. Scorar), 267k, both NS, 16 daya,

1 1160 15

£60,067: Somerset Mougham, Newington (Sk. B. Taylor), 1,837k, £24,213: St. Giles, Hamling (Sk. J.

£20,009: St. Enogat (French), 965k. £8,903: Morrie Jacob (Irish), 78k.

Seiners £6,415: Replenish, Ward (Sk. M. £8,562: Genara, Sleight (Sk. W. Oldman), 182k, 14 days. £5,585: Resolute. Ward (Sk. J.

£23.167: Ben Gairn, Irvin (Sk. C. Grimmer), 683 k, F, 16 days. £17,972: Birchleo, BUT (Sk. M. Taylor) 539 k, F, 15 days.

£16,723: Josmin, Wood Group (Sk. E. Parker), 539 k, F, 14 days.

£2,246: Storella, Irvin (Sk. T. Jahner), 19,228 kg, NS, 5 days.

£3,246: Storella, Irvin (Sk. T. Jahner), 19,228 kg, NS, 5 days. £26,000: Grampian Chieftoin, North

Star (Sk. R. Catto), 817 k, S, 12

£25,884: Ross Jaguor, BUT (Sk. D. Speck), 944k, W, 17 days. £17,671: Ross Cougar, BUT (Sk. J. Major), 752k, W, 15 days.
£16,941; St. Thomas, East Coast
(Sk. J. Ketteringham), 509k, NS, 12

E11,553: Grenaa Pearl (Sk. IVI. Pottarton), 362k, and £8,329: days. Grenaa Star (Sk. K. Yates), 274k, both Danbrit, NS, 14 days.

Sk. A. Meech), 914k, W, 17 days. £16,649: Ross Juno, BUT (Sk. B. Christophem), 605k, W, 15 days. Cunningham), 605k, W, 15 days. £15,919: Ross Cheetoh, BUT (Sk. E. Hodson), 585k, W, 14 days. £14,252: Boston Sea Knight, Boston (Sk. A. Lincoln), 459k, NS, 11 days. £13,920: St. Dovids, East Coast

£10,400: Lemberg, Lindsey (Sk. H. Pexman), 301k, NS, 13 days. £9,540: Leponto, Lindsey (Sk. S. Davidson), 292k, NS, 14 days. £6,801: Lafaten, Lindsey (Sk. Hatton), 181k, NS, 9 days.

NORTH SHIELDS

£18,217: Ben Edra, Irvin (Sk. R. Palmar), 43,549 kg, NS, 11 days. £10,022: Ben Chourn, Irvin (Sk. T. S. Jamisson), 24,819 kg, NS, 11

£26,000: Grampian Chieftoin, North Star (Sk. R. Leiper), S, 11 days, Johnson), 15,637 kg, NS, 4 days. Johnson), 15,637 kg, NS, 4 days.

£6,831: Fisher Rose, Irvin (Sk. R.
Clark), 14,705 kg, NS, 4 days.

£6,616: Sharon Rose, Calay (Sk. J.
Moodis), 14,323 kg, NS, 3 days.

£6,490: Lothian Rose, Irvin (Sk. R.
Clark), 14,265 kg, NS, 3 days.

£17,945: Arctic Rebel, Liston (Sk. J. Banyard), 1,025 cwt., NS, 13 days. (At Paterhead).

£10,386: Arctic Attacker, Liston (Sk. B. McPherson), 3,777 cwt., W,

£4.868; Roseveor, Norrard (Sk. J Manson), 135k, 13 days. £3,865: Bryher, Norrard (Sk. A. James), 101k, 12 days. £3,775: Picton Section, Norrard (Sk. T. Salter), 80k, 12 days. £3,040: Westerdale, Linke (Sk. F.

LOWESTOFT

1,065 kits frum elx haste. Prices:
cod. £32/£42; lurge rnker
£28/£32; smoll, £28/£18; large
plaice. £40/£41; mydium.
£19/£44; small, £28/£36; codling.
£22/£40; large hoddock, £42/£50;
smoll, £17/£32; large turbot,
£140/£170; small, £100/£110;
lemon sols. £48/£69; Dover sols.
£160; whiting, £10/£16; catfieh,
£22/£24; brill, £45/£62; dobe,
£14.50/£20; nunkfish, £00;
dogfieh, £8/£20; per titst. kit.

E3/£3.60; small, £2/£2.80; large
witches, £1.75; skw,
x1.10/£1.70; eslike, £1/£3,
leithe, £1.80; ling, £2/£0,
small, £2/£3.80; large
witches, £1.80; ling, £2/£3,
leithe, £1.80; ling, £2/£3,
lounou sols, £2/£56/£, large
small, £2/£3.80; large
witches, £1.80; ling, £2/£3,
lounou sols, £2/£50; day
small, £2/£3.80; large
witches, £1.75; skw,
x1.10/£1.70; eslike, £1/£3,
leithe, £1.80; ling, £2/£3,
lounou sols, £2/£56/£, large
small, £2/£3.80; large
witches, £1.80; ling, £2/£3,
lounou sols, £2/£56/£, large
small, £2/£56/£, large
small, £2/£56/£, large
small, £2/£56/£, large
small, £2/£56/£, large
smal FRASERBURGH dogfieh, 18/120; per til st. kit.

| dogfieh, £8/£20; per 111 st. kit. | FRASERBURGH |
| NORTH SHIELDS | Prices: cud, £27/£28; medium, £26/£26.5ii; small medium, £28/£21; solected smull, £15/£20; selected, £22/£25; large £2/£25; selected, £2/£25; small collected, £2/£25; selected, £2/£25; smell foliar £18/£20; selected, £2/£25; smell foliar £10/£10.75; modium, £21.50/£23; solected small, £15/£17; small, £10/£10.75; large lamon sole, £32; smell foliar £10/£10.75; large lamon sole, £32; modium, £30/£31.76; emoll, £19; modium, £30/£31.76; emoll, £19; modium, £30/£31.76; emoll, £19; modium, £4/£3; modium, £6/£8.25; small, £2.40/£2.80; emoll plate, £2.40/£2.80; best, £36/£3; mall lomen sole, £4/£3; bag £5.80/£8.20; per stone.

MILFURD HAVEN MILFORD HAVEN
212 kits from one bost, Prices:
lorge cod, £28; medium, £29;
codling, £25.28; lerge ploice,
£40.50; medium £38.35; emall,
£17/£18; turbot, £127; whiting,
£15/£18; lemon eole, £26; eole,
£146; squid, £37; brill, £60; large
rey, £40/£41; smell, £28.30;
medium rey, £33; dogfish, £16; LOSSIEMOUTH 300 boxes from 11 bests Pries. hoddock, £2.20/£3.46; plain, £1.80/£4; codling, £2.20/£3.5; whiting, £1.80/£2; sole, £2.80/£3; nionklish, £3; per stone.

BRIXHAM Prices: lerge cod, 23.20; mail, £4.50; lerge plaics, £4; medius, £4; email, £2.40; turbet, £16; lerge PETERHEAD

1,336 boxes from 14 boats.
Prices: cod/codling, £2.90/£4.80; whiting, £2.10/£3.20; coelfish, £2.10/£2.30; monkfish, £2.10/£2.30; monkfish, £2.10/£3.20; coelfish, £2.40/£2.50; catter, £2.40/£2.50; complete, £2.40/£2.50; monkfish, £8; lerge debt £3.40/£4.50; catter, £2.40/£2.50; monkfish, £8; lerge debt £3.40/£2.50; catter, £2.40/£2.50; catter, £2.40/£2.5 tungues, 28; brill, 29; ray wire, 28; monklish, 28; lerge debt it niedlum, 22; per sione. ling, £2.30/£2.60; solc, £4.80/£5.90; plaice, £2.50/£3.80; per stone; large heddock, £32.50/£37.50; medium, £21/£30; emell, £21.50/£23.50; dogfish,

ISLE OF, MAN Prices: herring, 116 usits land at \$35/239; per unit.

Prices: cod and eprog, £3,40/£4,60; codling, £2.20/£3.90; haddock, £3.00; largs hnkc. £6/£9.80; smoll, £2.50/£4.60; lift units, landed at £36/£8 priorgo whiting, £4.10; medium,

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86ft. Sins. steel Stern Trewler, forward wheelhouse, built Hull 1976, twin Ford diseals 110hp sach, aft gantry, 120 fethom warps, one ton winch, Celor cooker, sink, ship's property Furuno rader, 9500 schograph, Coaelt Viking VHF, hydraulic steering, three trewls, wired for Decca MK21. Telephone Sulby 284 H.M.).

MV "Vestkusten" for sale, 73.5ft, x 22ft, x 10.5ft, draught, built Sweden 1951, Beudeuin 400hp engina installed 1972, two sounders, radio, VHF, Daccs, hydraulic winch, nat drum, Fully rigged for side and atern trawling with large quantity white fish and lerring gear. Owners getting newboat end must sell. £18,000 ono. Telephone: Weterford, Ireland (051) 67181

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Built of wood 1857 by Hard & McKenzie, Buckle

thest ignigh 70th, breadth 20th, Jin, depth 8th Sis, loneage #0.27, 182hp Gerdnes right with Patters stocklary, Tortford hydraulic pawes setting steering rope bins, Rapp Ne power block, Mestre hydraulic winch with spers motor, spars propeller, Electrical sub-blank comed. Keln Hughes MS28 eithe soundst. Kelvin Hughes 2182 secelves. Later effectes. Spay resolves. Med equipment: Occa Mk-2 Newigeres, Kelvin Hughes sedes with ORM Kelvin Hughes folded VHF, Koden multi-putpose SRM.
Geordty of geer to be sold with versol.

Ckeing dats ler offers 17th June to FMA Ltd, 18 Commordial Reed, Suckle, telephone Buckle 32753.

FOR SALE BY PRIVATE BARDAIN

MFV "MAIGHDEAN BHAN" (SY183)

Bull of wood in 1867 by MacMillone, Fairlie. Length overell SQL., bright 20ft, registered tennego 37.1., engine 240hp Cetarplier 0343. Sutherland frewl winels, angine completely overheuled Merch 1977 and boat re-wired.

Equipment belonging to bost: Bellor radie, fielslupe, Kelvin Hughee

On hire: Oecos Nevigeter Mk21, Kelvin Hughas VHF and rader.

The boat is agged for traviling and a quentity of pear will be sold

May be inspected at leleomesy. Skye, Enquiries to Murde MeoLeod, Isleomesy 270 or 288.

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neil tonnege 14.40. Vesesi rigged for side end stem trewling with these ton Brixteen beit chiven which. Gerdner 178hp meln ongins. Hundested V.P. propeller. Quentity of prawn and white fish gest to

Equipment owned: Kelvin Hughes reder, Redifon GR 874 VHF. Salor RT and watchkeeping receiver. Equipment hirad: Kelvin Hughes with bottom lock. Occor Navigetor Mk 12 and Occor Pletter. Bound receiver see Mk 12 and Occor Pletter. Bound receiver see Pagestreed.

Telephone Paterhead 2281 or Mr. James Sruce, 14 Spring

FOR BALE

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CLOSING DATE FOR OFFERS 3146 MAY, 1978

Auguste to F. M. A. Bucklel Ltd., 19 Commercial Ross.

in 1874 of Fibre Claim HIMMES BUT CO. Registered Length 3: Owned length 35. Jonneys 6. Gardner 6 cylinder LW 84HF 21 reducing the second section systematic Koden. Sounder: and Sallor 638. Itself stands people for the second length of the se

etsihead, Telephone Paterhaed 4140.

diries to: John Srown & Son. 16 Herbour St., Peterheed

47.85ft., breedth 18.2ft., gross tonnege 24.8

four map interest of the first of the control of th

DIXON built 21tt. x 8ft. 6ins., frustd wheelhouse, Lister 19.5hp, Sasimod capsten, compass, lights, rar, 12,260. Telephone Pertlend sells.

OIRL Betty, 5uft, x 15ft, 7in, x 6ft.

2in., Kalvin R8 engine 112hp, naw winch, warps atc. Kelvin Hughes 17 reder, Antritau 32 mile redar, Simred fish finder, Midland VHF., Woodsona redio transmiliter, fishing gear includes lwn new bottom trawls, one pair hottom trawls, one mid water trawl, salmon nois, longis nets, inflatable liferaft all boat's property. Owner getting larger trawler, Apply Fallon, Achill Sound, Co. Mayo, Iroland.

1975 cervel fishing host, 25ft, x

1975 carvel fishing bost, 25ft, x 9tt. 5in., Lister S73 26hp., forward whoelhouse, farrograph sounder, ready for assau, lying Poolo, Telephone: Winhourno (0202) BV ORDER OF THE LIQUIDATOR JADE STAR GYPSY

Sullt Holle nd 1868, Olms. 88' 3" x 21' 8" x 8' 4" x 10' 8" dreft. Main ongine Stork 860 hp/700rpm with Kuypers 3:t reduction gearbox. Fully reconditioned in 1875. Winch electrically driven with hydraulic centrol, 70 hp Kromhout eux. angine. Reder, eutopilot, 2 sounders, Seller SSS R/T and VHF. Price idee: Poundes 125.000

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100ft. g 22tt. g 10ft. Bin. 6.R.T. 178 tone. Meln engine 260hp. Croskley. Bide trevies built by Cochiene B. Sone of Selby.

GEORGINA WILSON 100ts, x 22ts, a 12ts, Q.R.T. 182 tone. Waln engine 880hp. Crosslay. Bide traveler built by Henry Court Ltd., of Hessis in 1958.

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190ft x 22ft He. a 10ft. Sin. O.R.T. 161 tone. Built by J. Lewis & Sons of Aberdone. The above beat is feld up for origins repair

All the above vessels are misored or Millard Docks and are to be prised for asia by public suption FRIGAY, 2nd JUNE at 12 noon.

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FOR sele M56 "Vere", 38ft. trowler/petter, oak ee oak construction, 100hp Ferd engine, Kelvin Hughes seunder, VHF radle, Armstrong Siddelry Donkey, engine, five fathom trawl doors, three-quarter toe pot hauler, four berths, 120 pots 80 se new eptional. Price 27,500. Currantly working Weisb cosat. Gregory, The Gann, Gano Hill, St. Ishmaels, Heverfordwest, 6. Weiss. NEW orabber 38ft. x 12ft. 6ins. x 4ft., Ousb deck, large flah hold, teak woodwork, well fitted wheelhouse, ceoker slok, Helmen and crew, seeting for six, foremast, mizzen mast, Oardner 6LW, 2:1 hydraulic gearbox, Depmar sounder, radar, VHF radie, hydraulic steering, 222,500 o.n.o. or exchange for larger stem trawler, relephone Littlehampton 7648.

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PLYMOUTH pilot 18ft, Lister 8T2. Seawlech 1000lb olutohsd hauler, £3,850. Felsways potter 25, Yelvo 25hp £11,500. Treevs DS25, Perkins-4226, £5,950. Rass MacKenzie Bostbuilding, Holton Heath Iodustiel Estate, Lytchett Minster 4771/2.

MB "FRUITFUL VINE"

(FR 195)

lessel sold thanks to

FOR SALE BY PRIVATE BARGAIN

M.B. "OCEAN REWARD" (BCK 46)

Sulid of wood by Gerrard Brothers, Arbroath 1859

20,91ft., tomage gross 84.30 nott 44.03. Vassel extensively modernised July 1875 with new Catarpilles 425hp ongine, deckhouse, Sutherland combined hydreulic seine trawi winch, Tenflerd hydreulic power steering geer, new deck shelter 5eptember 1876.

enetter beptamber 1876. Electronic squipment owned: Geccs 1t0 reder, Geccs 420 sutoplioi. Sellor SSS redio, Mermeld wetchksoper receiver. Equipment hired: Geoce Nevigeter Mk.12, Oeccs Nevigetor Mk.21, Kaivin Hughes MS 44 with bottom lock, Furuno FRS 24 reder. Kelvin Hugheo Foreland VHF., Sellor 144 VHF. Vessor is fully litted for soins, olso with trawingsllows and bollerds. Quantity of sains note included in sels. Vessel meentime fishing and will be svoltable for inspection at McOuff for 4-19 June.

Offers to be lodged with Marse Auggle MePherson, Commercial Road, Buckle on or before noon on Fridey 23rd June, 1878.

FOR SALE BY PRIVATE BARGAIN M.B. Heather Girl FR.398

Suilt of wood by Thomsons of Buckle in 1947. Overall length 52.3ft. Registered length 50.7ft. Breadth 17ft. Copin 8ft. Tonnage, gross 33.53, natt 17.18. Oardner 8L3 Gardner angine 114hp lnew pistons and liners 1877). Pettere auxiliory angine. Meetre combined seine and uswi winch.

OECCA MRK 21 NAVIOATAR OECCA PLOTTER On Hire

WOODSONS RADIO TELEPHONE
MARCONI GRAPHETTE ECHOMETER
KELVIN HUGHES TYPE 17 RADAR
KELVIN HUGHES VHF RAGIOS [2]
OECCA SIMRAO CA2 FISHSCOPE Boat's Property

The shows vessel underwork an extensive overhead in 1888 including flaw wheelhouse, fishbold, accommodations and electrical inetalisation, 8.0.T. Europy completed 1877. This weeks is equipped for traviling and is measuline fighing from Freezhouth.

Amengements for inspection see he made by applying to:

RICHARD IRVIN & SONS LTD.,

Shore Street, Fraeerburgh, Telephone No. 3102 with whom offers disuld be lodged.

MB "OCEAN HERALD" (BF.102)

Built of wood in 1986 by Jones' Suokis. Overall length 68ft., breadth 20. tft., depth 8.tft., tonnege 49.62.

Fitted with 162hp Gerdner engine, Paners auditary, mein angine new cranksheft and completely overhauled to 1677. Sutherland sie speed seine whoth and 6 scoles coller, power block. Equipment owned Atlas monoecope, emergency R/T. Equipment hiped Oecca Mic21, Koden fishgraph with bottom expansion recorder, Kejvin Hughes reder and echo sounder, VHF., Relior R/T.

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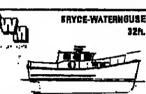
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